



# PSC-10 Series

Version 2



## Features:

- Universal AC input (90-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Installed on DIN rail TS35 / 7.5 or 15
- DC OK relay output
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- High efficiency, long life and high reliability
- 3 year warranty
- NEC Class 2 compliant
- UL508 (Industrial control equipment) listed

## OUTPUT

## INPUT

## PROTECTION

## ENVIRONMENT

## SAFETY & EMC

## OTHERS

## NOTES

Cat. No.	PSC-1005	PSC-1012	PSC-1015	PSC-1024
DC VOLTAGE	5V	12V	15V	24V
RATED CURRENT	2A	1.0A	0.67A	0.42A
CURRENT RANGE	0-2.0A	0 ~ 1.0A	0 ~ 0.67A	0 ~ 0.42A
RATED POWER	10W	12 W	10 W	12 W
RIPPLE & NOISE (max)	80mVp-P	120mVp-p	150mVp-p	150mVp-p
VOLTAGE ADJ. RANGE	5-6V	10.8 ~ 13.2V	13.5~ 16.5V	21.6 ~ 26.4V
VOLTAGE TOLERANCE	±2.0%	±1.0%	±1.0%	±1.0%
LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
LOAD REGULATION	±5.0%	±3.0%	±3.0%	±2.0%
SETUP, RISE TIME	< 500ms, <30ms/230VAC; 1000ms/115VAC at full load			
HOLD UP TIME (Typ.)	> 30ms/115VAC at full load			
VOLTAGE RANGE	85-264VAC / 120-370VDC Derating may be needed under low input voltages. Please check the derating curve for more details.			
FREQUENCY RANGE	47~63Hz			
EFFICIENCY (Typ.)	77%	81%	81%	84%
AC CURRENT (Typ.)	0.33A/115VAC ; 0.21A/230VAC			
INRUSH CURRENT (Typ.)	35A/115V ; 70A/230V			
LEAKAGE CURRENT	< 0.25mA/240VAC			
OVERLOAD PROTECTION	>105%-150% Rated Output Power Protection type: Hiccup Mode- recovers automatically after fault condition is removed			
OVERVOLTAGE PROTECTION	6.25~ 7.25V	15.6 ~ 18V	19.5 ~ 22.5V	31.2 ~ 36V
OVER TEMPERATURE PROTECTION	Protection type : Shut down o/p voltage, re-power on to recover			
OVER CURRENT	Shut down o/p voltage, re-power on to recover 110%-180%			
WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)			
WORKING HUMIDITY	20 ~ 90% RH non-condensing			
STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95% RH			
TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)			
VIBRATION	10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each long X,Y, Z axes			
SAFETY STANDARDS	UL508, BS/EN62368-1, NEC Class 2 Compliant			
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
EMI CONDUCTION & RADIATION	BS/EN55032 (CISPR32) Class B			
HARMONIC CURRENT	BS/EN61000-3-2,-3, , EAC TP TC 020			
EMS IMMUNITY	BS/EN61204-3 Class B, CNS13438 Class B			
DC OK Signal	Active signal (See application notes)			
MTBF	200K hrs. min. at full load 25°C ambient temp			
DIMENSION	22.5 x 92 x 100 mm (WxHxD)			
PACKING	0.140Kg each / 0.32 LBs each / 1 piece / 100 pieces per CTN			
CONNECTION	I/P 3 poles, O/P: 6 poles screw DIN terminal			
COOLING	Free air convection			

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."
5. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
6. The ambient temperature de-rating of 3.5°C /1000m

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# PSC-10 Series

Version 2



Altech Corp.®

## Mechanical Specification

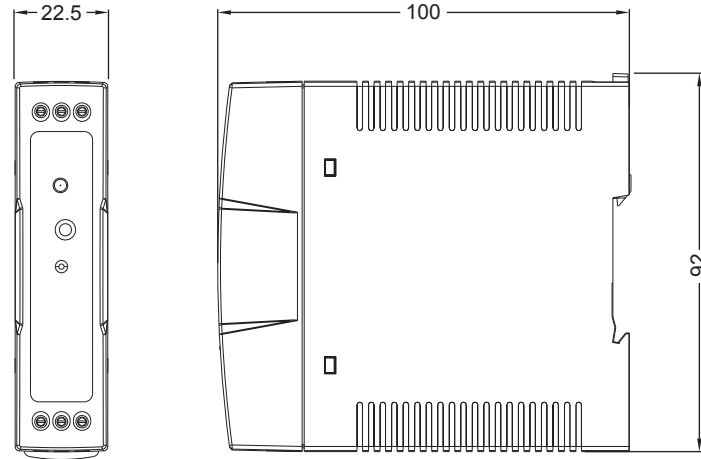
Unit: mm / inch

Terminal Pin. No Assign. (TB1)

Pin No.	Assignment
1	FG ⊕
2	AC/N
3	AC/L

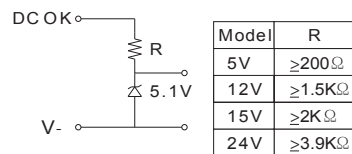
Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
4	DC OUTPUT +V
5	DC OUTPUT -V
6	DC OK SIGNAL

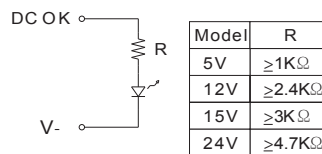


## Application of DC OK Active Signal

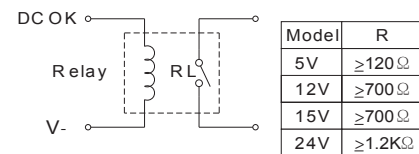
(a) 5V signal



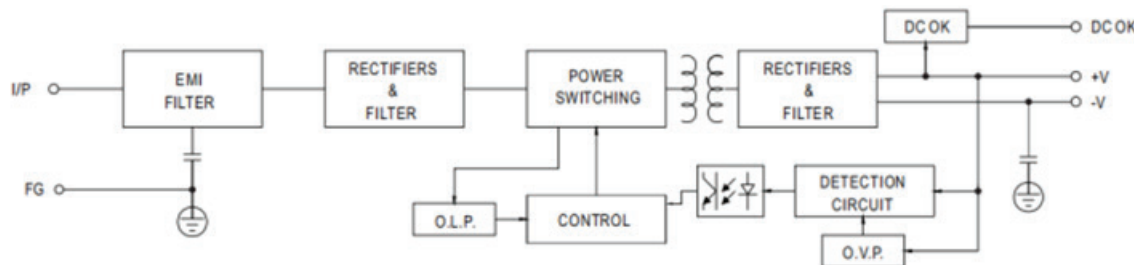
(b) LED



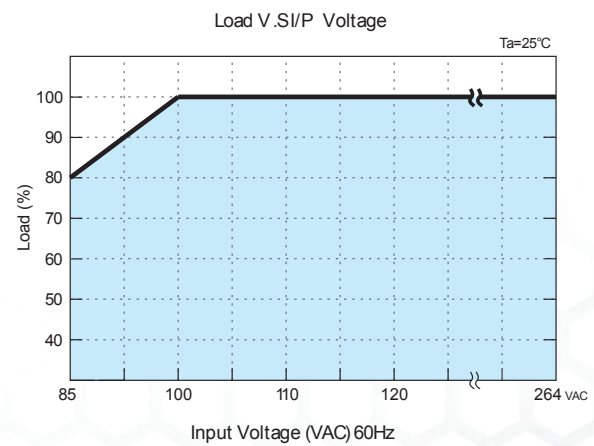
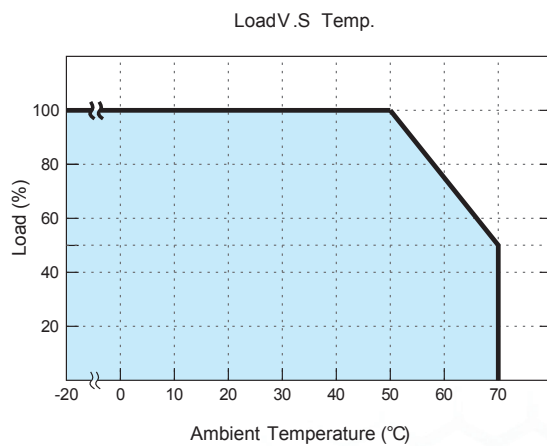
(c) Relay



## Block Diagram



## Derating Curve



Slimline  
single phase

Low Profile  
single phase

Industrial Metal Case  
single phase

Industrial Metal Case  
three phase

High Efficiency  
compact housing

Accessories



# PSC-20 Series

Version 2



## Features:

- Universal AC input (90-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Installed on DIN rail TS35 / 7.5 or 15
- DC OK relay output
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- High efficiency, long life and high reliability
- 3 year warranty
- NEC Class 2 compliant
- UL508 (Industrial control equipment) listed

## OUTPUT

## INPUT

## PROTECTION

## ENVIRONMENT

## SAFETY & EMC

## OTHERS

## NOTES

Cat. No.	PSC-2005	PSC-2012	PSC-2015	PSC-2024
DC VOLTAGE	5V	12V	15V	24V
RATED CURRENT	3A	1.67A	1.34A	1.0A
CURRENT RANGE	0-3A	0 ~ 1.67A	0 ~ 1.34A	0 ~ 1.0A
RATED POWER	15W	20 W	20 W	24 W
RIPPLE & NOISE (max)	80mVp-P	120mVp-p	120mVp-p	150mVp-p
VOLTAGE ADJ. RANGE	5-6V	10.8 ~ 13.2V	13.5~ 16.5V	21.6 ~ 26.4V
VOLTAGE TOLERANCE	±2.0%	±1.0%	±1.0%	±1.0%
LINE REGULATION	±2.0%	±1.0%	±1.0%	±1.0%
LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
SETUP, RISE TIME	< 500ms, <30ms/230VAC; 1000ms/115VAC at full load			
HOLD UP TIME (Typ.)	> 30ms/115VAC at full load			
VOLTAGE RANGE	85-264VAC / 120-370VDC Derating may be needed under low input voltages. Please check the derating curve for more details.			
FREQUENCY RANGE	47~63Hz			
EFFICIENCY (Typ.)	76%	80%	81%	84%
AC CURRENT (Typ.)	0.33A/115VAC ; 0.21A/230VAC			
INRUSH CURRENT (Typ.)	35A/115V ; 70A/230V			
LEAKAGE CURRENT	< 0.25mA/240VAC			
OVERLOAD PROTECTION	>105%-150% Rated Output Power Protection type: Hiccup Mode- recovers automatically after fault condition is removed			
OVERVOLTAGE PROTECTION	8.4~ 9.5V	15.6 ~ 18V	23.5 ~ 26.4V	31.2 ~ 36V
OVER TEMPERATURE PROTECTION	Protection type : Shut down o/p voltage, re-power on to recover			
OVER CURRENT	Shut down o/p voltage, re-power on to recover 110%-180%			
WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)			
WORKING HUMIDITY	20 ~ 90% RH non-condensing			
STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95% RH			
TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)			
VIBRATION	10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each long X,Y, Z axes			
SAFETY STANDARDS	UL508, BS/EN62368-1, NEC Class 2 Compliant			
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
EMI CONDUCTION & RADIATION	BS/EN55032 (CISPR32) Class B			
HARMONIC CURRENT	BS/EN61000-3-2,-3, , EAC TP TC 020			
EMS IMMUNITY	BS/EN61204-3 Class B, CNS13438 Class B			
DC OK Signal	Active signal (See application notes)			
MTBF	200K hrs. min. at full load 25°C ambient temp			
DIMENSION	22.5 x 92 x 100 mm (WxHxD)			
PACKING	0.140Kg each / 0.32 LBs each / 1 piece / 100 pieces per CTN			
CONNECTION	I/P 3 poles, O/P: 6 poles screw DIN terminal			
COOLING	Free air convection			

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."
5. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
6. The ambient temperature de-rating of 3.5°C /1000m

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# PSC-20 Series

Version 2



E205412

**Altech Corp.**

## Mechanical Specification

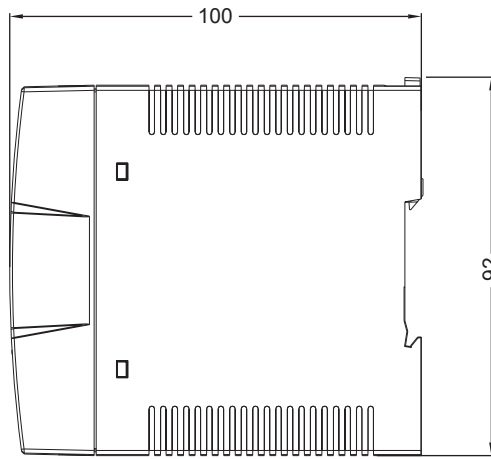
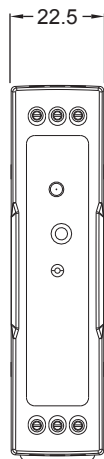
Unit: mm / inch

Terminal Pin. No Assign. (TB1)

Pin No.	Assignment
1	FG ⊕
2	AC/N
3	AC/L

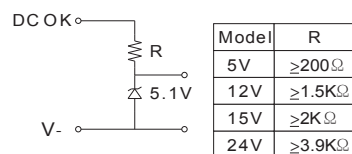
Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
4	DC OUTPUT +V
5	DC OUTPUT -V
6	DC OK SIGNAL

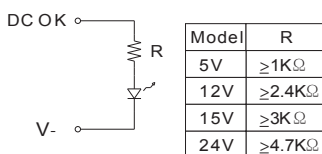


## Application of DC OK Active Signal

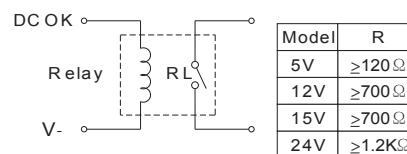
(a) 5V signal



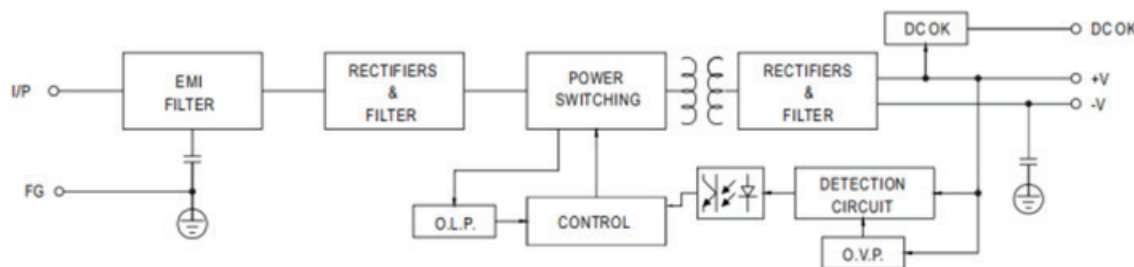
(b) LED



(c) Relay

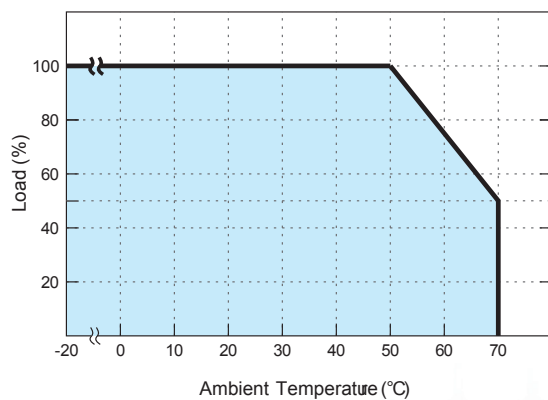


## Block Diagram

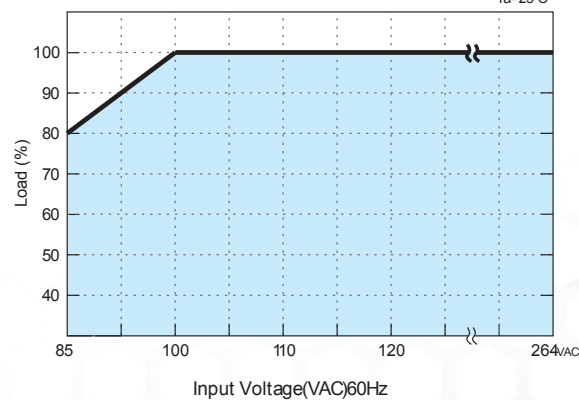


## Derating Curve

Load V.S Temp.



Load V.S I/P Voltage



Slimline  
single phase

Low Profile  
single phase

Industrial Metal Case  
single phase

Industrial Metal Case  
three phase

High Efficiency  
compact housing

Accessories



# PSC-40 Series

Version 2



## Features:

- Universal AC input (90-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Installed on DIN rail TS35 / 7.5 or 15
- DC OK relay output
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- High efficiency, long life and high reliability
- 3 year warranty
- NEC Class 2 compliant
- UL508 (Industrial control equipment) listed

## OUTPUT

## INPUT

## PROTECTION

## ENVIRONMENT

## SAFETY & EMC

## OTHERS

## NOTES

Cat. No.	PSC-4005	PSC-4012	PSC-4015	PSC-4024	PSC-4048
DC VOLTAGE	5V	12V	15V	24V	48V
RATED CURRENT	7A	3.33A	2.5A	1.7A	0.83A
CURRENT RANGE	0-7A	0 ~ 3.33A	0 ~ 2.5A	0 ~ 1.7A	0 ~ 0.83A
RATED POWER	35W	40 W	40 W	40 W	40 W
RIPPLE & NOISE (max)	80mVp-P	120mVp-p	120mVp-p	150mVp-p	200mVp-p
VOLTAGE ADJ. RANGE	5-6V	10.8 ~ 16.2V	13.5~ 16.5V	23.02 ~ 29.98V	43.2 ~ 52.8V
VOLTAGE TOLERANCE	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
LINE REGULATION	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
SETUP, RISE TIME	< 500ms, <30ms/230VAC; 1000ms/115VAC at full load				
HOLD UP TIME (Typ.)	> 30ms/115VAC at full load				
VOLTAGE RANGE	90-264 VAC Derating may be needed under low input voltages. Please check the derating curve for more details.				
FREQUENCY RANGE	47~63Hz				
EFFICIENCY (Typ.)	78%	86%	86%	88%	88%
AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230VAC				
INRUSH CURRENT (Typ.)	COLD START 30A / 115VAC; 60A / 230VAC				
LEAKAGE CURRENT	< 0.25mA/240VAC				
OVERLOAD PROTECTION	>105%-150% Rated Output Power Protection type: Hiccup Mode- recovers automatically after fault condition is removed				
OVERVOLTAGE PROTECTION	6.25 ~ 7.25V	15.6 ~ 18V	19.5 ~ 22.5V	31.2 ~ 36V	57.6 ~64.8V
OVER TEMPERATURE PROTECTION	Shut down o/p voltage, re-power on to recover				
OVER CURRENT	110%-180%				
WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)				
WORKING HUMIDITY	20 ~ 90% RH non-condensing				
STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95% RH				
TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)				
VIBRATION	10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each long X,Y, Z axes				
SAFETY STANDARDS	UL508, BS/EN62368-1, NEC Class 2 Compliant				
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC				
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH				
EMI CONDUCTION & RADIATION	BS/EN55032 (CISPR32) Class B				
HARMONIC CURRENT	BS/EN61000-3-2,-3, , EAC TP TC 020				
EMS IMMUNITY	BS/EN61204-3 Class B, CNS13438 Class B				
DC OK Signal	Relay contact (30VDC / 1A, 120VAC / 1A)				
MTBF	200K hrs. min. at full load 25°C ambient temp				
DIMENSION	40 x 92 x 100 mm (WxHxD)				
PACKING	0.28Kg/27 pcs./8.76Kg / 1piece / 50 pieces per CTN				
CONNECTION	I/P 3 poles, O/P: 6 poles screw DIN terminal				
COOLING	Free air convection				

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."
5. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
6. The ambient temperature de-rating of 3.5°C /1000m

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# PSC-40 Series

Version 2



E205412

**Altech Corp.**

## Mechanical Specification

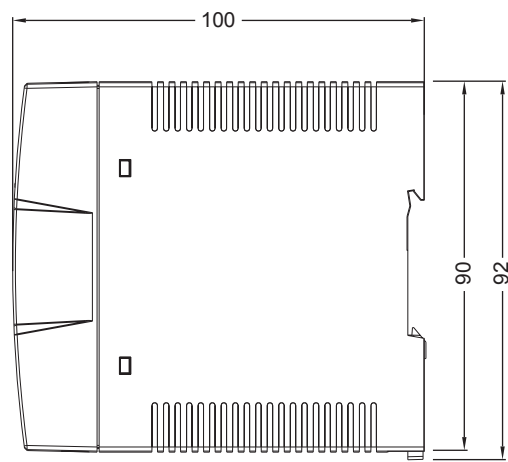
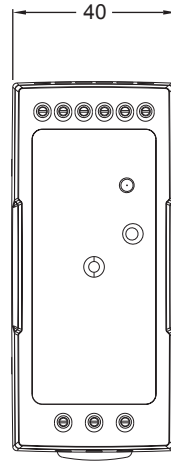
Unit :mm / inch

Terminal Pin. No Assign. (TB1)

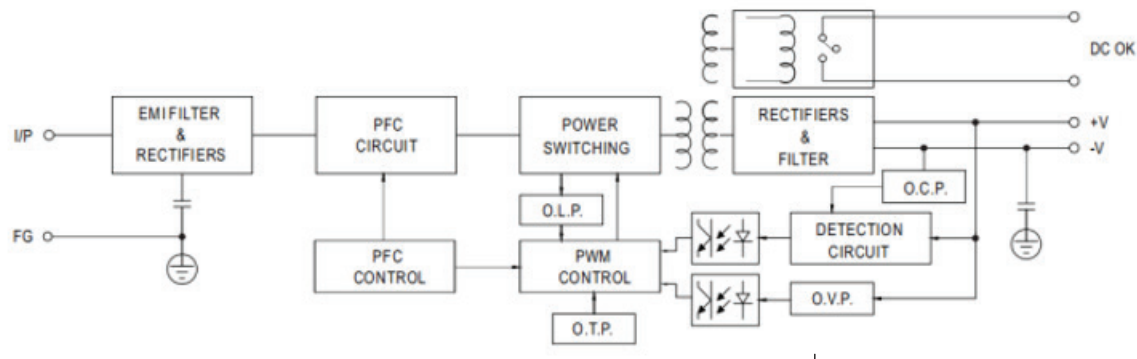
Pin No.	Assignment
1	FG Ⓢ
2	AC/N
3	AC/L

Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V
5,6	DC OK RELAY CONTACT



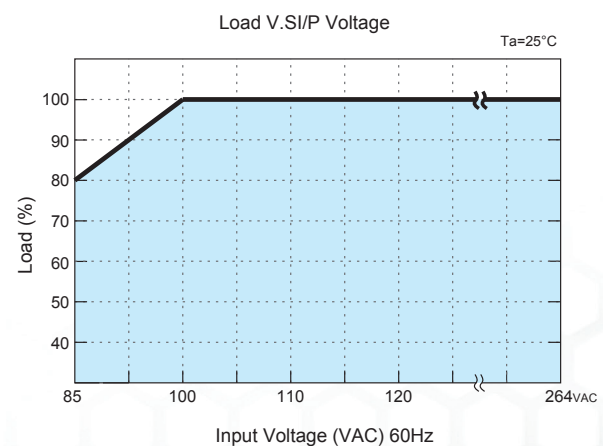
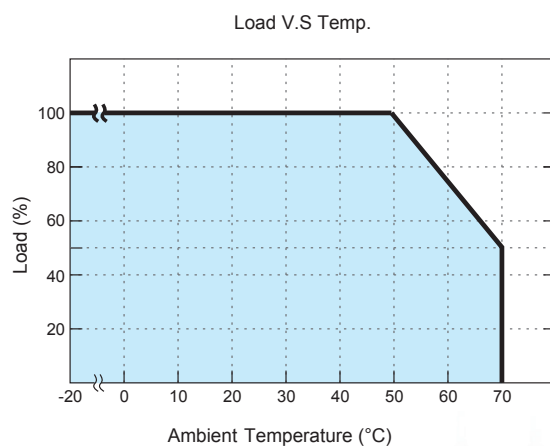
## Block Diagram



## DC OK Relay Contact

Contact Close	When the output voltage reaches the adjusted output voltage
Contact Ratings(max.)	When the output voltage drop below 90%rated output voltage
Contact Open	30V / 1A resistive load

## Derating Curve



Slimline  
single phase

Low Profile  
single phase

Industrial Metal Case  
single phase

Industrial Metal Case  
three phase

High Efficiency  
compact housing

Accessories





# PSC-60 Series

Version 2



## Features:

- Universal AC input (90-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Installed on DIN rail TS35 / 7.5 or 15
- DC OK relay output
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- High efficiency, long life and high reliability
- 3 year warranty
- NEC Class 2 compliant
- UL508 (Industrial control equipment) listed

## OUTPUT

## INPUT

## PROTECTION

## ENVIRONMENT

## SAFETY & EMC

## OTHERS

## NOTES

Cat. No.	PSC-6005	PSC-6012	PSC-6015	PSC-6024	PSC-6048
DC VOLTAGE	5V	12V	15V	24V	48V
RATED CURRENT	10A	5A	4A	2.5A	1.25A
CURRENT RANGE	0-10A	0 ~ 5A	0 ~ 4A	0 ~ 2.5A	0 ~ 1.25A
RATED POWER	50W	60 W	60 W	60 W	60 W
RIPPLE & NOISE (max)	80mVp-P	120mVp-p	120mVp-p	150mVp-p	200mVp-p
VOLTAGE ADJ. RANGE	5-6V	10.8 ~ 16.2V	13.5~ 16.5V	21.6 ~ 26.4V	39.12 ~ 49.2V
VOLTAGE TOLERANCE	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
LINE REGULATION	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
SETUP, RISE TIME	< 500ms, <30ms/230VAC; 1000ms/115VAC at full load				
HOLD UP TIME (Typ.)	> 30ms/115VAC at full load				
VOLTAGE RANGE	90-264 VAC Derating may be needed under low input voltages. Please check the derating curve for more details.				
FREQUENCY RANGE	47~63Hz				
EFFICIENCY (Typ.)	78%	86%	86%	88%	88%
AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230VAC				
INRUSH CURRENT (Typ.)	COLD START 30A / 115VAC; 60A / 230VAC				
LEAKAGE CURRENT	< 0.25mA/240VAC				
OVERLOAD PROTECTION	>105%-150% Rated Output Power Protection type: Hiccup Mode- recovers automatically after fault condition is removed				
OVERVOLTAGE PROTECTION	9.15~ 12.7V	15.6 ~ 18V	19.5 ~ 22.5V	31.2 ~ 36V	57.6 ~64.8V
OVER TEMPERATURE PROTECTION	Shut down o/p voltage, re-power on to recover				
OVER CURRENT	110%-180%				
WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)				
WORKING HUMIDITY	20 ~ 90% RH non-condensing				
STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95% RH				
TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)				
VIBRATION	10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each long X,Y, Z axes				
SAFETY STANDARDS	UL508, BS/EN62368-1, NEC Class 2 Compliant				
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC				
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH				
EMI CONDUCTION & RADIATION	BS/EN55032 (CISPR32) Class B				
HARMONIC CURRENT	BS/EN61000-3-2,-3, , EAC TP TC 020				
EMS IMMUNITY	BS/EN61204-3 Class B, CNS13438 Class B				
DC OK Signal	Relay contact (30VDC / 1A, 120VAC / 1A)				
MTBF	200K hrs. min. at full load 25°C ambient temp				
DIMENSION	40 x 92 x 100 mm (WxHxD)				
PACKING	0.28Kg/27 pcs./8.76Kg / 1piece / 50 pieces per CTN				
CONNECTION	I/P 3 poles, O/P: 6 poles screw DIN terminal				
COOLING	Free air convection				

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."
5. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
6. The ambient temperature de-rating of 3.5°C /1000m

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# PSC-60 Series

Version 2



E205412

**Altech Corp.**

## Mechanical Specification

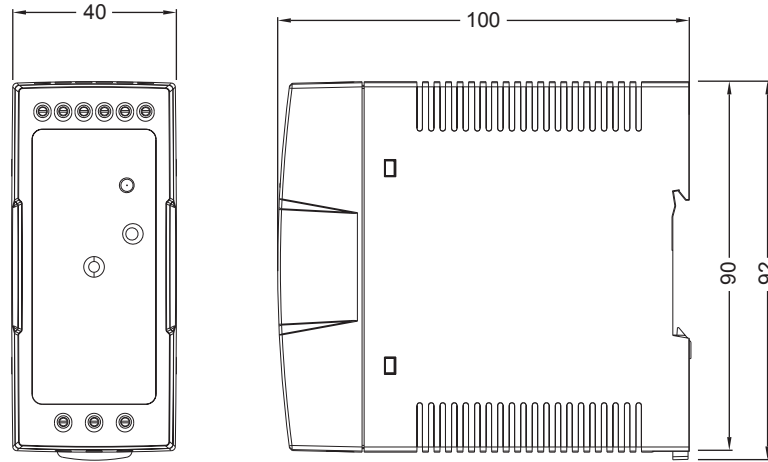
Unit:mm / inch

Terminal Pin. No Assign. (TB1)

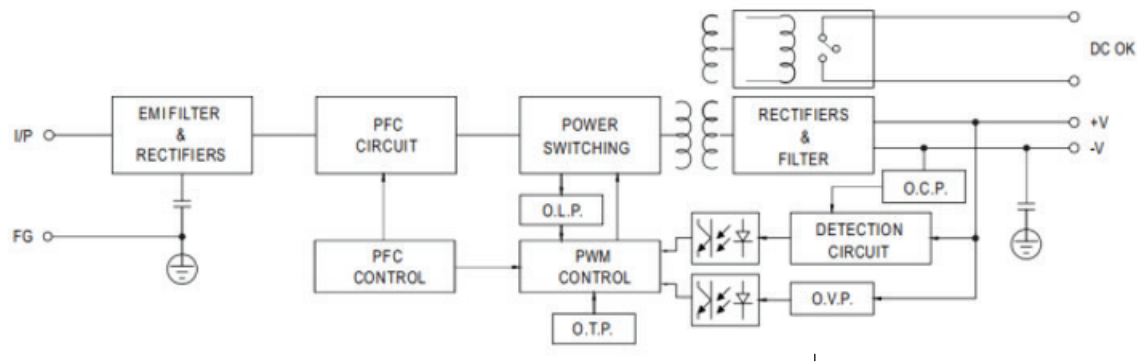
Pin No.	Assignment
1	FG ⊕
2	AC/N
3	AC/L

Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V
5,6	DC OK RELAY CONTACT



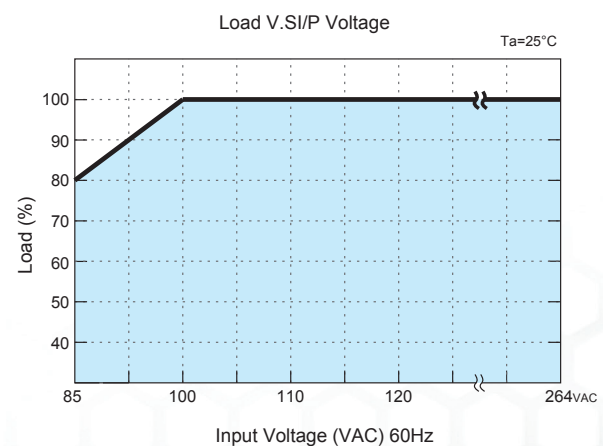
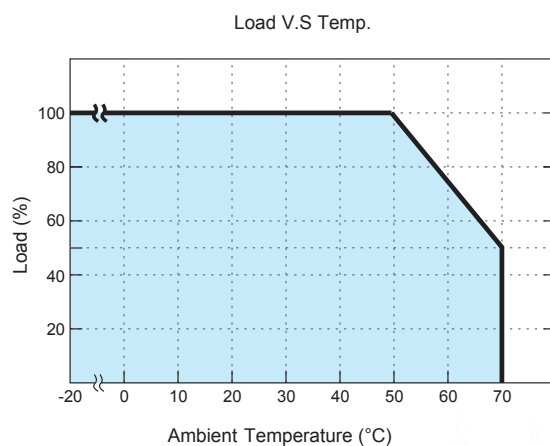
## Block Diagram



## DC OK Relay Contact

Contact Close	When the output voltage reaches the adjusted output voltage
Contact Ratings(max.)	When the output voltage drop below 90%rated output voltage
Contact Open	30V / 1A resistive load

## Derating Curve



Slimline  
single phase

Low Profile  
single phase

Industrial Metal Case  
single phase

Industrial Metal Case  
three phase

High Efficiency  
compact housing

Accessories





# PSC-96 Series

## Version 2



### Features:

- Universal AC input (90-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Installed on DIN rail TS35 / 7.5 or 15
- DC OK relay output
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- High efficiency, long life and high reliability
- 3 year warranty
- NEC Class 2 compliant
- UL508 (Industrial control equipment) listed

### OUTPUT

### INPUT

### PROTECTION

### ENVIRONMENT

### SAFETY & EMC

### OTHERS

### NOTES

Cat. No.	PSC-9612	PSC-9615	PSC-9624	PSC-9648
DC VOLTAGE	12V	15V	24V	48V
RATED CURRENT	7.5A	6A	4A	2A
CURRENT RANGE	0 ~ 7.5A	0 ~ 6.0A	0 ~ 4.0A	0 ~ 2.0A
RATED POWER	90 W	90 W	96 W	96 W
RIPPLE & NOISE (max)	120mVp-p	120mVp-p	150mVp-p	200mVp-p
VOLTAGE ADJ. RANGE	5.2 ~ 15.25V	13.5 ~ 16.5V	22.48 ~ 30.37V	43.2 ~ 52.8V
VOLTAGE TOLERANCE	±1.0%	±1.0%	±1.0%	±1.0%
LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
SETUP, RISE TIME	< 500ms, <30ms/230VAC; 1000ms/115VAC at full load			
HOLD UP TIME (Typ.)	> 30ms/115VAC at full load			
VOLTAGE RANGE	85-264VAC / 120-370VDC Derating may be needed under low input voltages. Please check the derating curve for more details.			
FREQUENCY RANGE	47~63Hz			
EFFICIENCY (Typ.)	83%	86%	88%	88%
AC CURRENT (Typ.)	1.3A/115VAC 0.8A/230VAC			
INRUSH CURRENT (Typ.)	COLD START 30A / 115VAC; 60A / 230VAC			
LEAKAGE CURRENT	< 0.25mA/240VAC			
OVERLOAD PROTECTION	>105%-150% Rated Output Power Protection type: Hiccup Mode- recovers automatically after fault condition is removed			
OVERVOLTAGE PROTECTION	19.5 ~ 21.6V	19.5 ~ 22.5V	31.2 ~ 36V	57.6 ~ 64.8V
OVER TEMPERATURE PROTECTION	Shut down o/p voltage, re-power on to recover			
OVER CURRENT	110%-180%			
WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)			
WORKING HUMIDITY	20 ~ 90% RH non-condensing			
STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95% RH			
TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)			
VIBRATION	10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each long X,Y, Z axes			
SAFETY STANDARDS	UL508, BS/EN62368-1, NEC Class 2 Compliant			
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
EMI CONDUCTION & RADIATION	BS/EN55032 (CISPR32) Class B			
HARMONIC CURRENT	BS/EN61000-3-2,-3, EAC TP TC 020			
EMS IMMUNITY	BS/EN61204-3 Class B, CNS13438 Class B			
DC OK Signal	Relay contact (30VDC / 1A, 120VAC / 1A)			
MTBF	200K hrs. min. at full load 25°C ambient temp			
DIMENSION	55 x 92 x 100 mm (WxHxD)			
PACKING	0.40Kg each / 0.9 LBs each / 1 piece / 40 pieces per CTN			
CONNECTION	I/P 3 poles, O/P: 6 poles screw DIN terminal			
COOLING	Free air convection			

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# PSC-96 Series

Version 2



E205412

**Altech Corp.**

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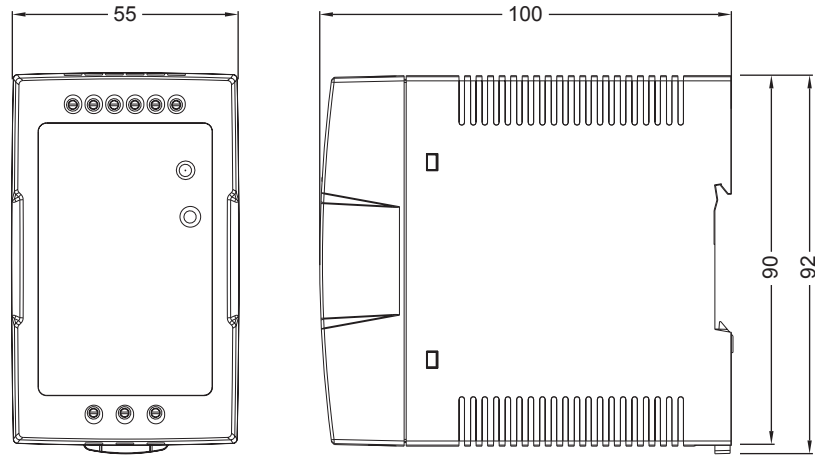
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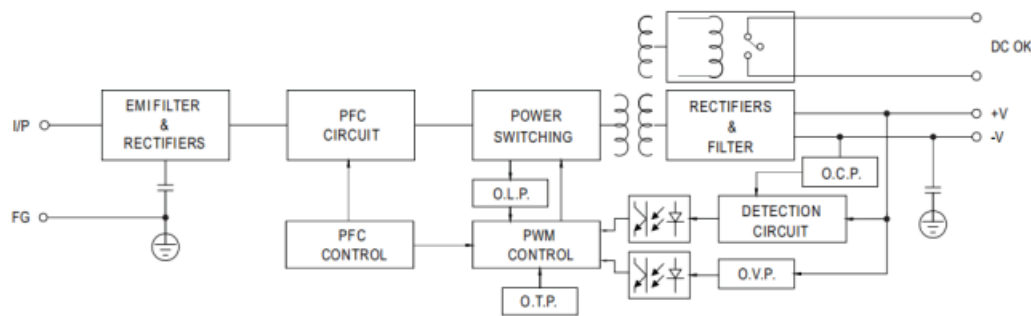
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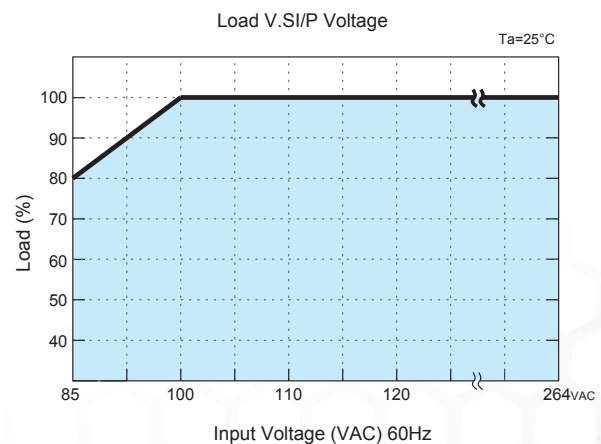
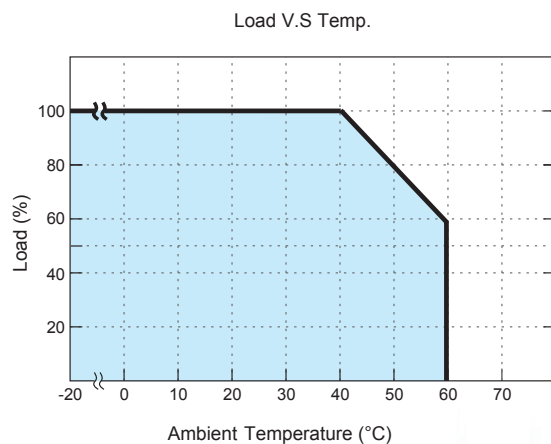
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