

The ISN Advantage

Power Supply Module for UDC

Part Number: 371-03633-000

The Power Supply Module provides 24 VDC to the Processor Module. Input voltage is obtained from a 100 to 240 \pm 10% VAC power source. Maximum power available to the Processor Module is 75 VA.

The DIN rail mounting brackets may be attached to either the long or short side to increase mounting flexibility within custom enclosures.

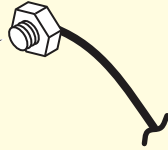
An Auxiliary Power Outlet is available which plugs into the Power Supply Module. Power to the auxiliary outlets does not reduce the power available to the Processor Module and is not controlled by the On/Off Switch.

This equipment is an accessory intended for use with the UDC product line for field installation within an enclosure.

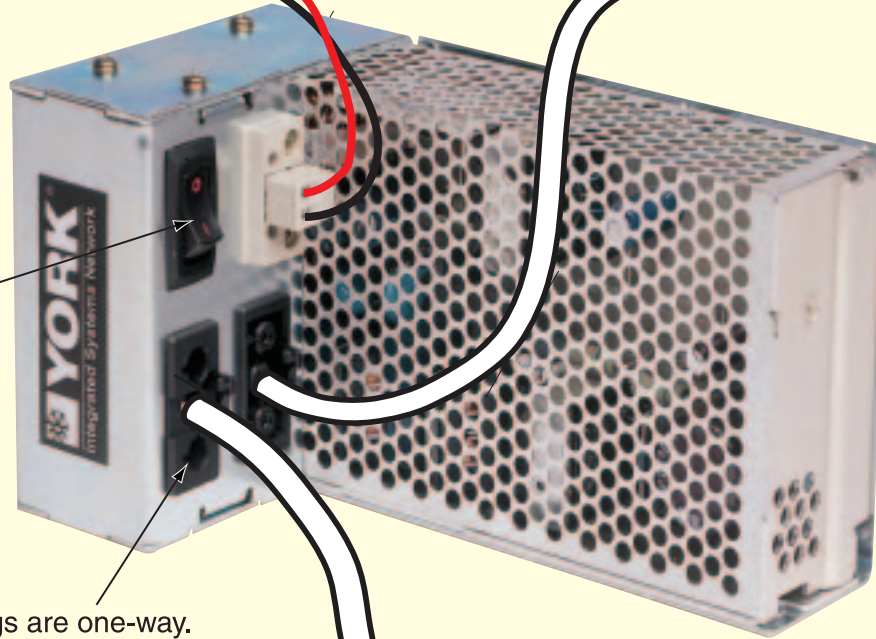


Standard Code	Color Code		
	Line	Earth/Ground	Neutral
U.L.	Black	Green	White
C.E.	Brown	Green w/ Yellow Stripe	Blue

Ground Stud Located inside Enclosure



Connect to Power terminals on Processor Module



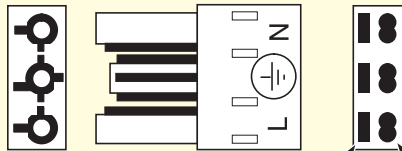
On/Off Switch

To Auxiliary Power Outlet if installed

Plugs are one-way. Do not force.

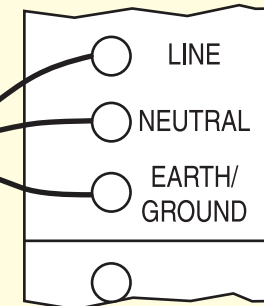
Record SN:
Date:

Circuit breaker or fuse box



Insert screwdriver to release clamp.

Insert bare wire



CAUTION: The earth/ground must be a true building earth/ground to ensure a common level throughout the system.



Power Supply Module for UDC

The Power Supply Module provides 24 VDC @ 3.15 amps (75 VA). Use the table to calculate the current used by the UDC components.

Subtract the TOTAL CURRENT from the power output (3.15 A) to determine the amount of current available for external devices using the Field Supply (FS).

The Power Supply Module includes overload protection for both current and temperature. An excessive current overload causes the unit to overheat and close down. After the temperature falls to an appropriate level the unit automatically restarts.

An overload of the unit caused by a short circuit results in an immediate shut down. Recovery does not occur until the short circuit is removed. Reverse polarity protection is also provided on the unit.



Subject to change without notice.
Copyright © by York International Corporation 2002
ALL RIGHTS RESERVED
Form 450.20-N12 (802)
Supersedes 450.20-N12 (401)

Multiply the quantity of each module type times the current draw of that module. Add the total of each module type to determine the TOTAL CURRENT used.

Power Supply Module = 24 VDC @ 3.15 Amps (75 VA)

QTY.	MODULE	CURRENT DRAW	TOTAL
1	Processor	200 mA	200
	Keypad and Display	150 mA	
	Universal Input	300 mA	
	Thermistor Input	100 mA	
	Universal Output	300 mA	
	Relay Output, 8-Way	150 mA	
	Relay Output, 4-Way	110 mA	
	Field Input Module (FIM)	115 mA	
	Field Output Module 3 (FOM3)	140 mA	
	TOTAL CURRENT		

Power Output	3150 mA
Total Current (from above)	
Available Field Supply Current	

Example

QTY.	MODULE	CURRENT DRAW	TOTAL
1	Processor	200 mA	200
1	Keypad and Display	150 mA	150
2	Universal Input	300 mA	600
2	Thermistor Input	100 mA	200
2	Universal Output	300 mA	600
1	Relay Output, 8-Way	150 mA	150
1	Relay Output, 4-Way	110 mA	110
0	Field Input Module (FIM)	115 mA	0
0	Field Output Module 3 (FOM3)	140 mA	0
	TOTAL CURRENT		2010

Power Output	3150 mA
Total Current (from above)	2010 mA
Available Field Supply Current	1140 mA

Contact:

YORK Controls Group (U.K. Office)
Unit 1, Red Shute Hill, Hermitage,
Newbury, Berks RG18 9QL
Telephone: +44 (0)1635-202200
Fax: +44 (0)1635-202222
e-mail: controls.sales@uk.york.com

YORK Controls Group (U.S. Office)
P.O. Box 1592, York, PA, USA 17405-1592
Telephone: 800-861-1001
Fax: (717) 771-7640
www.york.com
e-mail: isncontrols@york.com