

Memco Power Supply Unit

Product Datasheet



Memco 280 series power supply units (PSU) and control devices offer regulated 24VDC power supply for selected Memco light curtains. A range of input voltages are available to suit different requirements. The light curtain semiconductor output is converted to a potential-free relay contact providing greater control flexibility.

The primary purpose of the PSU units is to isolate the Memco elevator light curtains from the lift control circuitry and power systems.

There are three key products within the range

1. 280 000 Power Supply Unit

- AC Supply Type
- 115/240VAC Mains input.
- Regulated DC supply for the light curtains
- N/O and or N/C relay output

2. 281 000 Power Supply Unit

- DC Supply Type
- 15/36VDC
- Regulated DC supply for the light curtains
- N/O and or N/C relay output

3. 283 000 Isolating Power Module

- DC Supply Type
- 18 to 30VDC input or 24VAC
- Regulated DC supply for the light curtains
- N/O and or N/C relay output

Key Features

- + Provides a regulated 24VDC power supply
- + Isolates light curtains from lift control circuitry and power systems
- + Potential free relay output
- + Robust housing
- + 3 products within the range
 - 280 000
 - 281 000
 - 283 000
- + Detector wiring instructions on the inside of lid for all 280 series PSUs

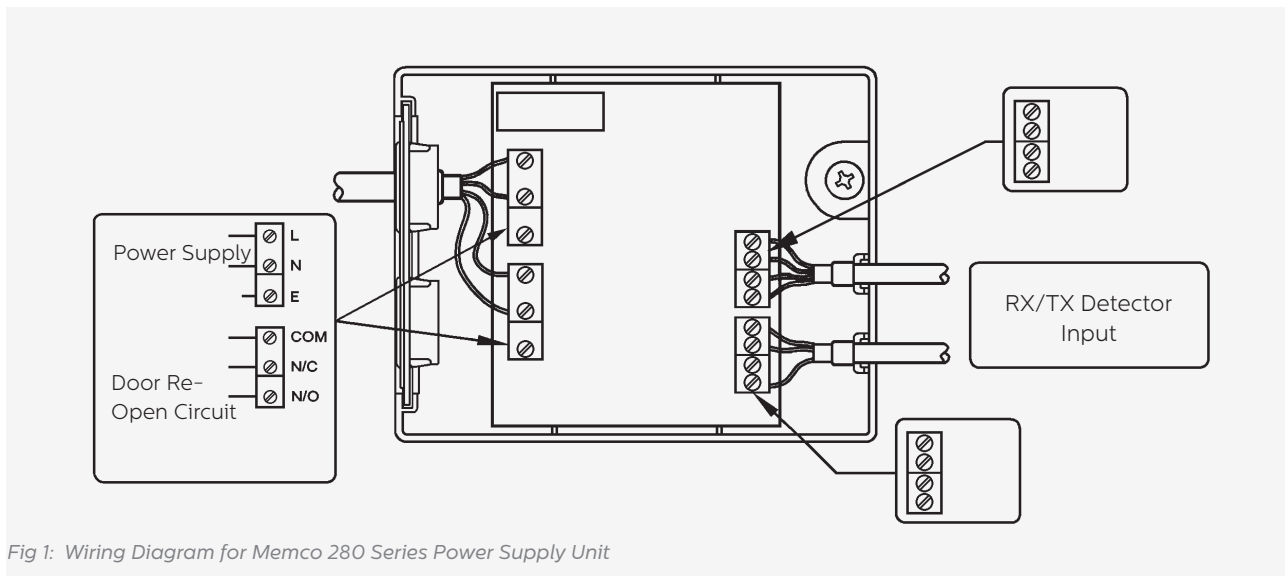


Fig 1: Wiring Diagram for Memco 280 Series Power Supply Unit

Technical Specification

	280 000	281 000	283 000
Input voltage	115-240VAC	24V DC nominal. An input range of 15V - 36V DC	24VDC nominal. An input range of 18V - 30VDC 24VAC (max) is acceptable
Output voltage	12VDC nominal		
Output current	120mA max (for use with Memco safety edges only)		
Compatibility Safety Edges	Elite Model, E, X and K Series		
Compatibility Safety Edges logic Outputs:	PNP Normally Closed PNP Normally Open NPN Normally Closed NPN Normally Open		
Trigger Logic Settings	Two logic output switches (SW2 and SW3 to be set for detector configuration)		
Relay output	Single pole change-over with hard silver contacts Maximum switching current 5 amps at 240VAC		
Housing:	High impact strength plastic box. 130mm x 100mm x 45mm		
Connections	Screw terminal blocks		
Audible Tone	Fitted with a beeper and beeper on/off switch		

Ordering Information

Part No.	Product Description
280 000	Power Supply Unit , 115/240VAC Mains input.
281 000	Power Supply Unit , 15/36VDC
283 000	Isolating Power Module

AVIRE

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