



DESCRIPTION

The 110V a.c. output block provides a robust interface for driving plant actuators such as solenoids and contactors from a GEM 80 controller. Each block provides four output signals.

As an aid to maintenance and fault finding, an indicator lamp is provided for the state of each output.

The 110V a.c. output block is one of the GEM 80 range of compatible a.c. and d.c. input and output blocks. The I/O blocks plug into a panel which provides terminals for the plant cables. The 8960 Logic I/O Assembly data sheet describes a termination and mounting arrangements.

FEATURES

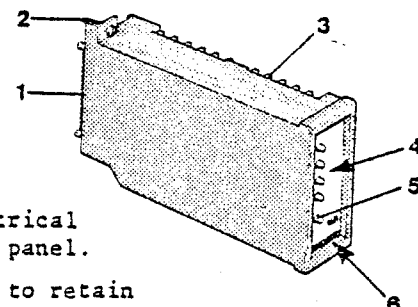
- Suitable for industrial applications
- Rugged plug-in moulded block
- Optical isolation
- Output state indication
- High noise immunity
- Series contacts require no extra suppression
- Designed for inductive loads
- Mechanical coding of block type
- Suitable for both 50Hz and 60 Hz
- Fuse blown indication

SPECIFICATION (whole block)

Number of outputs	:4
Temperature	:0 to 70°C operating :-20 to 70°C storage
Humidity	:10 to 90% non-condensing
Dimensions	:112 x 48 x 198mm (high x wide x deep)
Weight	:0.51kg
Front panel colour code	:Red
Power dissipation (load currents 8A total)	:10W typical
Power consumption from host controller	:6mA @ +15V (all outputs off) :30mA @ +15V(all outputs on)

8988

110V 2A A.C. Output Block



1. Plug for electrical connection to panel.
2. Captive screw to retain block on panel.
3. Heat sink.
4. State indicating lamps for four outputs.
5. Fuse blown lamp.
6. Colour code and type number.

SPECIFICATION (each of four outputs)

Load current at 40°C	: 0.05 to 2A operating
Surge current at 40°C	: 15A for 10ms repeatable after 1 second : 7A for 40ms repeatable after 1 second
Plant side power supply voltage	: 88 to 132V operating
Frequency	: 45 to 64 Hz
Voltage drop for ON state	: 1.5V at 2A, 1.3V at 1A typical : 1.7V at 2A, 1.5V at 1A maximum
Leakage current for OFF state	: 10mA maximum
Short circuit protection	: Fault clearance by independent internal 2A fuse for each output
'Fuse blown' indication	: lamp on for any fuse blown.
Common mode isolation voltage	: 2kV pk transient
Differential no damage voltage	: 132V continuous
Response time ON	: 10ms maximum
Response time OFF	: 10ms maximum