

RPI-32



Features

- Connects 32 supervised reverse-polarity inputs to the System 3505
- Responds to 1-500 MA line current
- Distance from System 3505 can be extended to 500 feet with ribbon cable to round cable adaptors (sold separately)
- Up to 16 RPI-32 can be daisy chained to one controller (or mixed with EOL-32)
- NFPA 72 Compliant

Specifications

INPUT CURRENT:

.001 Amperes - .5 Amperes

INPUT VOLTAGE:

120 volts AC

RPI INPUT POWER:

User supplied polarity reversal

SCANNING RATE:

820 milliseconds at 1,000 active alarm points

OPERATING TEMPERATURE:

32 - 150° F (0 - 70° C)

DIMENSIONS:

19 in. x 3.5 in. x 5.5 in., rack mountable

ORDERING INFORMATION:

450173-0001 RPI-32

Requires the Direct Wire Option P/N 010001-005

Order must specify Zone labels required. Refer to Digitize Price Book P/N 750182 Section 7, Tables 7.1 and 7.2 for details.

450213-0000 Round Cable Interface for extending distance up to 500 ft from System 3505

Product Description

The RPI-32 is capable of monitoring a total of 32 alarm points with a current as low as .001 Amperes and as high as .50 Amperes. It provides the conversion of an analog alarm signal into the proper format to be processed by the System 3505. It also provides screw terminals to which the alarm pairs may be connected.

A ribbon cable of up to 25 feet connects the first RPI-32 with the System 3505. The System 3505 can accommodate up to 15 additional RPI-32 interfaces, for a total of 512 alarm points. The second RPI-32 is connected to the first via a six-inch ribbon cable. The third RPI-32 is connected to the second, and so on, up to 16 in a daisy chain for a total of 512 inputs. The System 3505 can accommodate up to 64 RPI-32 interfaces corresponding to 2,048 alarm points. This expansion is possible at any time.

The RPI-32 may be used within a chain of interfaces, in groups of 32 zones. Interfaces may be mixed: EOL and Reverse Polarity-

User must limit the current with an external resistor. Line power is supplied by subscriber and must be filtered DC (rectified AC without filter capacitor will not work).

The RPI-32 requires the purchase and installation of the Direct Wire Option (P/N 010001-0055) into the SYSTEM 3505. This option will provide direct wire capability of up to 512 zones. Each additional 512 zone capacity requires another option (P/N 010001-0055).



