

REMOTE MONITORING UNIT for Fire Pump Applications



Type **RMU96**
Microprocessor based

SPEC. 3/9805 Release 2

Features

This microprocessor based remote monitor from Metron Eledyne is the latest version of a whole line of successful products, marketed previously under the Eledyne brand name, and features state-of-the art microprocessor devices, designed around the latest EEC EMC directives. The unit offers a compact, robust and reliable product, offering a great deal more flexibility than its predecessors.

It features 12 channel monitoring, designed primarily for use with the Metron Eledyne range of fire pump control systems, providing remote supervision of complete installations from any manned point. (for example; gate houses and reception points)

The unit may be tailored to your individual requirements both quickly and easily by our team of dedicated software engineers using our unique software-based control system. A complete change in system behaviour is merely a case of



replacing the microcontroller i.c, a matter of minutes in most cases, ensuring that down-time is kept to an absolute minimum, essential in fire control applications. Component choice has been heavily influenced by the need to meet tough EMC requirements, providing both excellent immunity and reduced emissions.

RMU96 REMOTE MONITORING UNIT

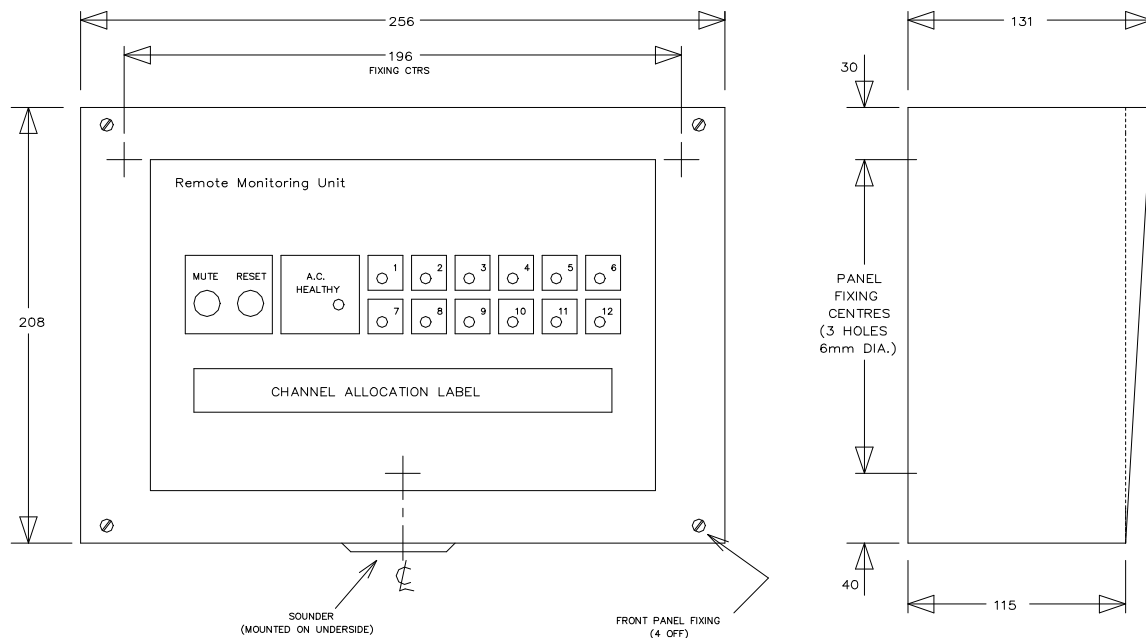
New features in this model include DIP switches which enables banks of inputs to be configured on site for active high/low operation, smaller footprint, and attractive packaging in a style that will blend into most environments without being intrusive, yet impossible to ignore when an alarm state is triggered.

As part of this flexibility, it was also realised that there may be a need for rapid reallocation of channels, normally a lengthy process, requiring both a rewire, and then producing the correct front panel legend. As most good ideas are both flexible and simple we needed to adopt an approach whereby the customer could complete this task with ease. It was decided to number all channels, and then provide a removable channel allocation label. The label may be pre-printed to order, alternatively the customer may decide to legend the panel themselves on site.

When in an alarm state, the unit will sound the alarm, and flash the corresponding indicator on the front panel, in order to alert the operator. Depressing the 'MUTE' button will silence the alarm and active channel indicators will cease to flash, holding steady in the 'ON' state. Pressing the 'RESET' button will return all inactive fault channels to the 'STANDBY' state, extinguishing the corresponding indicators.

This will be the case for intermittent, or infrequent alarm states, or faults which have been cleared. Channels that remain in the alarm state, however, will return to the active flashing state, sounding the alarm once more.

Lamp test facility is included by simultaneously pressing both buttons, reducing the complexity of the user interface.



Specification

Maximum power rating	<300mA
Power supply	12v D.C./240v A.C. (selectable 110v)
Dimensions	260 mm wide x 205 mm high x 115 mm deep
Enclosure	Mild steel, wall mounting
Inputs	12 off, 5v digital
Outputs	1 volt-free, single pole, c/o relay o/p, 5A rated. High output audible alarm. 12 l.e.d. indicators, plus A.C. status indicator.
Weight	3000g approx.

Power Supply Options

230/240v	110/120v
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Controls and instrumentation

Mute alarm	Green pushbutton
Reset all alarms	Red pushbutton
Lamp test	Red/Green p.b. together
A.C. healthy	Green l.e.d.

Options

Channel 1 (no/nc)	Bank 1
Channel 2 (no/nc)	Bank 1
Channel 3 (no/nc)	Bank 1
Channel 4 (no/nc)	Bank 1
Channel 5 (no/nc)	Bank 2
Channel 6 (no/nc)	Bank 2
Channel 7 (no/nc)	Bank 2
Channel 8 (no/nc)	Bank 2
Channel 9 (no/nc)	Bank 3
Channel 10 (no/nc)	Bank 3
Channel 11 (no/nc)	Bank 3
Channel 12 (no/nc)	Bank 3

Order Information

When ordering please specify;
 No. of active channels.
 Normally open / normally closed standby state.
 Channel legend.
 Supply voltage.
 Any optional extras required.
 EU 'CE' marking/ certificate of conformity.

Order code

RMU96	120V 240V	OPTIONS
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METRON ELEDYNE LIMITED

18 Autumn Park, Dysart Road, Grantham, LINCS. NG31 7DD. United Kingdom
 Telephone: +44 (0) 1476 516120 FAX: +44 (0) 1476 516121 email: info@metroneledyne.co.uk
www.metroneledyne.co.uk