Metron

Series 1701C – Remote Alarm Panel For Electric Motor Fire Pump Controllers

Series 1802B – Remote Alarm Panel For Diesel Driven Fire Pump Controllers

Metron alarm panels have been designed to provide reliable audible and visual alarms for electric and diesel fire pump controllers in accordance with NFPA 20. This requires that visual and audible alarms powered by a reliable source, not exceeding 125 volts, be located at a point of constant attendance when the pump room is not constantly attended.

Functional Description 1701 C:

Alarm Power - This light is on continually to indicate that reliable power is applied to the Alarm Panel.

Pump Running - Indicates that the Controller has operated into a pump running condition.

Pump Power Failure - Indicates loss of line power on line side of motor starter.

Phase Reversal - Indicates phase reversal on line side of motor starter.

Press-to-Test Switches - Each status lamp is furnished with individual Press-to-Test switches which verify lamp operation and associated circuitry is functioning properly.

Alarm Silence - An alarm silence button is provided so that the audible alarm may be turned off in the event of an alarm signal. The light will stay on until the Controller condition has been returned to normal. Should another signal be received after the alarm silence button has been depressed, the alarm will re-sound and the respective alarm light will be illuminated.

Power Requirements - A reliable source of 117 volts, A.C., 50/60 HZ.

Connecting Cable - Number 16 gauge conductor low voltage (24 VDC) cable may be used for interfacing between the controller and Remote Alarm Panel. Smaller wire may be used so long as the total loop resistance is held to 50 ohms or below.

Options Available:
Extra Lights - Additional alarm lights (up to a total of eight, including standard lights) may be supplied. Customer to specify labeling.

Remote Start - A remote start pushbutton may be supplied.

Auxiliary Alarm - A relay may be supplied in the panel to provide contacts for a common auxiliary alarm.

Features:
1. Solid state circuitry for high reliability and trouble free service.
2. Rugged compact enclosure for surface or flush mounting.
3. Audible alarm with silencing pushbutton.
4. Press-to-Test switches for each light.
5. UL approved.
6. Simple low cost installation.
7. Compatible with all Metron electric controllers.

Functional Description 1802 B:

Alarm Power - This light is on continually to indicate that reliable power is applied to the Alarm Panel.

Engine Running - Indicates that the Controller has operated into a pump running condition.

System Failure - Indicates one or more of the following conditions exist on either the engine or the controller: a) High Water Temperature, b) Low Oil Pressure, c) Engine Overspeed (diesel only), d) Overcrank (the engine fails to start upon demand or a weekly test run), e) Loss of D.C. output of the charger (also indicates loss of A.C. to the controller).

Switch-in-Off - Indicates that the Controller control selector switch is in the off or manual position. The controller switch should be left in the "auto" position, which will allow the engine to start upon demand.

Battery Failure - Indicates that one or both batteries has fallen to a level such that either one or both may not be capable of starting the engine and requires attention.

Press-to-Test Switches - Each status lamp is furnished with individual Press-to-Test switches which verify lamp operation and associated circuitry is functioning properly.

Alarm Silence - An alarm silence button is provided so that the audible alarm may be turned off in the event of an alarm signal. The light will stay on until the Controller condition has been returned to normal. Should another signal be received after the alarm silence button has been depressed, the alarm will re-sound and the respective alarm light will be illuminated.

Power Requirements - A reliable source of 117 volts, A.C., 50/60 HZ.

Connecting Cable - Number 16 gauge conductor low voltage (24 VDC) cable may be used for interfacing between the controller and Remote Alarm Panel. Smaller wire may be used so long as the total loop resistance is held to 50 ohms or below.

Options Available:
Extra Lights - Additional alarm lights (up to a total of eight, including standard lights) may be supplied. Customer to specify labeling.

Remote Start - A remote start pushbutton may be supplied.

Auxiliary Alarm- A relay may be supplied in the panel to provide contacts for a common auxiliary alarm.

Features:
1. Solid state circuitry for high reliability and trouble free service.
2. Rugged compact enclosure for surface or flush mounting.
3. Audible alarm with silencing pushbutton.
4. Press-to-Test switches for each light.
5. UL approved.
6. Simple low cost installation.
7. Compatible with all Metron diesel controllers.

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