



TORNATECH

Project: _____

Customer: _____

Engineer: _____

Pump Manufacturer: _____

Model APE

Remote alarm panel for electric motor driven fire pump

Drawing Submittal Package



Contents:

Brochure

Dimensional Data

Wiring Schematics

Field Connections

Note: The drawings included in this package are for controllers covered under our standard offering. Actual AS BUILT drawings may differ from what is shown in this package.



August 2020

APx Series

Remote Alarm Panels For Fire Pump Applications

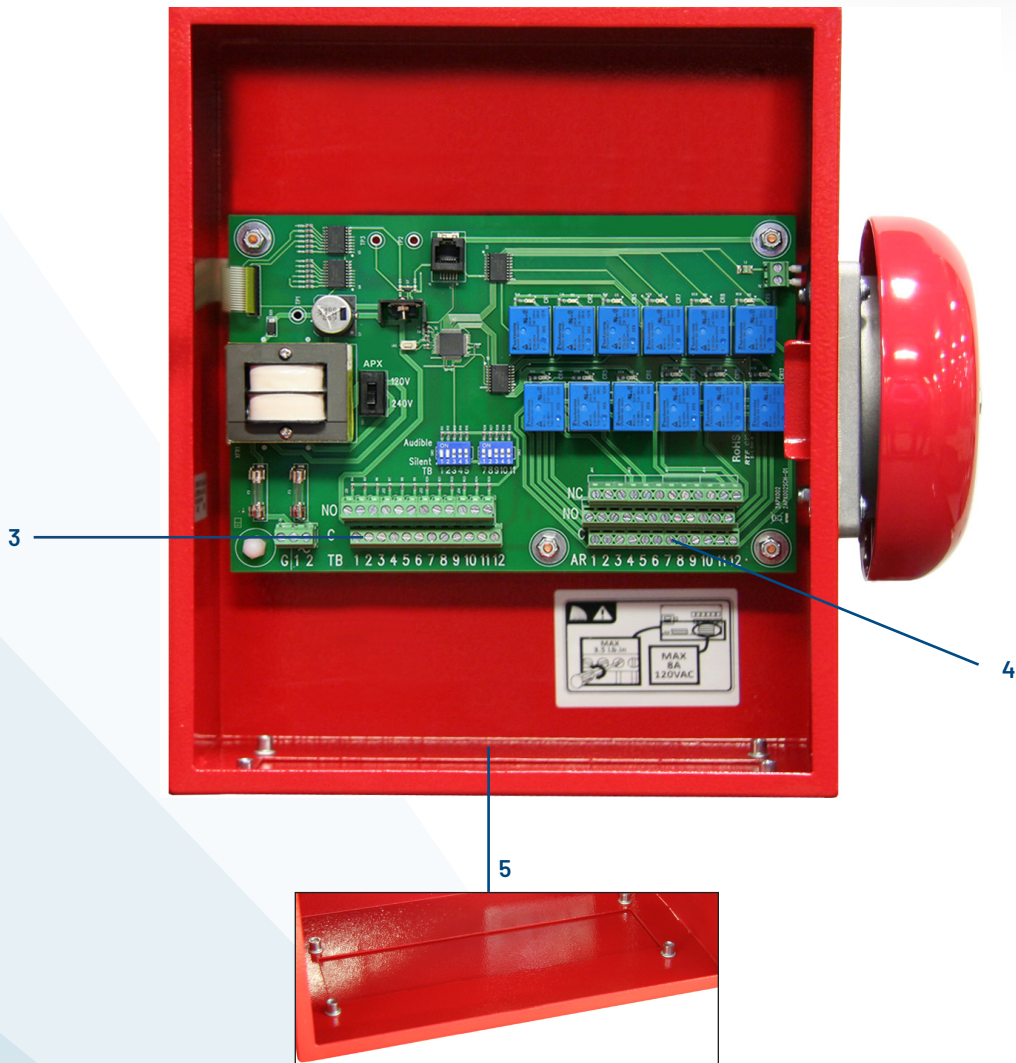
Standard Features

- NEMA 1 enclosure
- Bottom entry gland plate
- LED type visual indication
- Quantity 12 N.O inputs (Max. 8A - 240V.AC)
- Quantity 12 N.O or N.C outputs
(SPDT - Max. 8A - 240V.AC)
- 4" Alarm bell
- Silence pushbutton
- Lamp test pushbutton

The Tornatech APx Series remote alarm panels are installed to provide annunciation of alarm conditions monitored at the fire pump controller. The NFPA20 standard requires that the annunciation of these alarm conditions be monitored at a point of constant attendance if the pump room is not constantly attended.



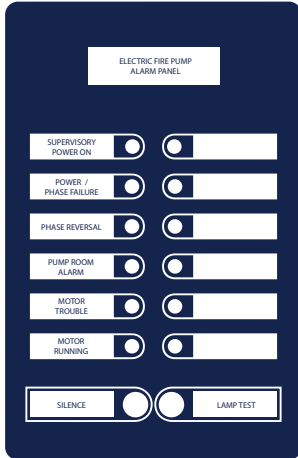
1. Built-in wall mounting lugs for ease of installation
2. 4" alarm bell
3. Alarm inputs from fire pump controller (1 N.O)
4. Alarm outputs for remote annunciation (1N.O - 1 N.C)
5. Gland plate



Note: All Pictures shown are for illustration purpose only. Actual product may vary due to options selected

MODEL APE

For monitoring of a single electric fire pump



VISUAL

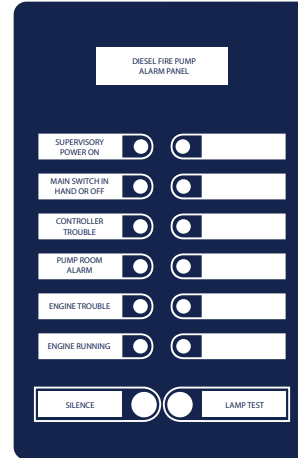
- Supervisory Power On

VISUAL AND AUDIBLE

- Power / Phase Failure
- Phase Reversal
- Pump Room Alarm
- Motor Trouble
- Motor Running

MODEL APD

For monitoring of a single diesel fire pump



VISUAL

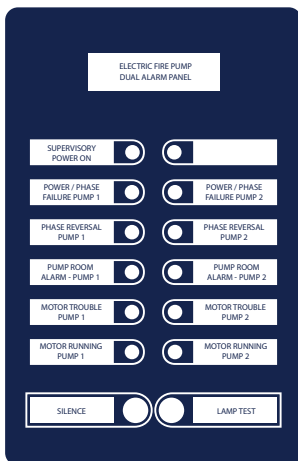
- Supervisory Power On

VISUAL AND AUDIBLE

- Main Switch in Hand or Off
- Controller Trouble
- Pump Room Alarm
- Engine Trouble
- Engine Running

MODEL APEE

For monitoring of two electric fire pumps



VISUAL

- Supervisory Power On

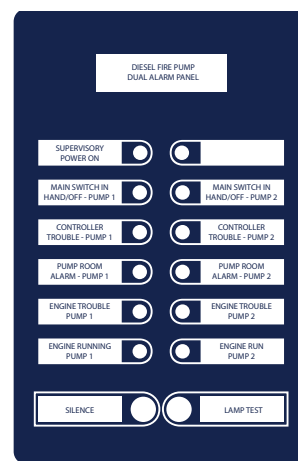
VISUAL AND AUDIBLE

Pump 1 and 2

- Power / Phase Failure
- Phase Reversal
- Pump Room Alarm
- Motor Trouble
- Motor Running

MODEL APDD

For monitoring of two diesel fire pumps



VISUAL

- Supervisory Power On

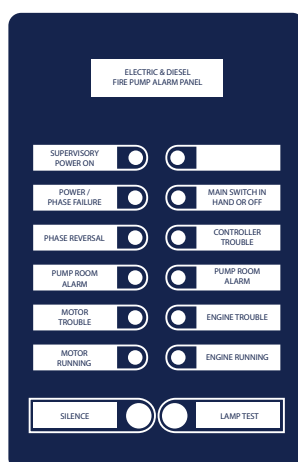
VISUAL AND AUDIBLE

Pump 1 and 2

- Main Switch in Hand or Off
- Controller Trouble
- Pump Room Alarm
- Engine Trouble
- Engine Running

MODEL APED

For monitoring of an electric and a diesel fire pump



VISUAL

- Supervisory Power On

VISUAL AND AUDIBLE

- Power / Phase Failure
- Phase Reversal
- Pump Room Alarm
- Motor Trouble
- Motor Running
- Main Switch in Hand or Off
- Controller Trouble
- Pump Room Alarm
- Engine Trouble
- Engine Running

Available Options

- Additional visual indication (LED) and dry alarm contact (SPDT- Max 8A - 240V.AC)
- Visual indication (LED) and dry alarm contact (SPDT- Max 8A - 240V.AC) for controller with transfer switch.
- Fire pump start pushbutton
- 220V.AC supervisory power
- NEMA 2 enclosure
- NEMA 4 enclosure
- NEMA 4X enclosure
- CE Listing
- Labelling and drawing in other languages

HOW TO ORDER: APX / Supervisory Voltage / Options

Ex.: APD / 120 / Options

AMERICAS

Tornatech Inc.

Head Office

Laval, Quebec, Canada

Tel: + 1 514 334 0523

Toll free: + 1 800 363 8448

EUROPE

Tornatech Europe SPRL

Wavre, Belgium

Tel: + 32 (0) 10 84 40 01

MIDDLE EAST

Tornatech FZE

Dubai, United Arab Emirates

Tel: + 971 (0) 4 887 0615

ASIA

Tornatech Pte Ltd.

Singapore

Tel: + 65 6795 8114

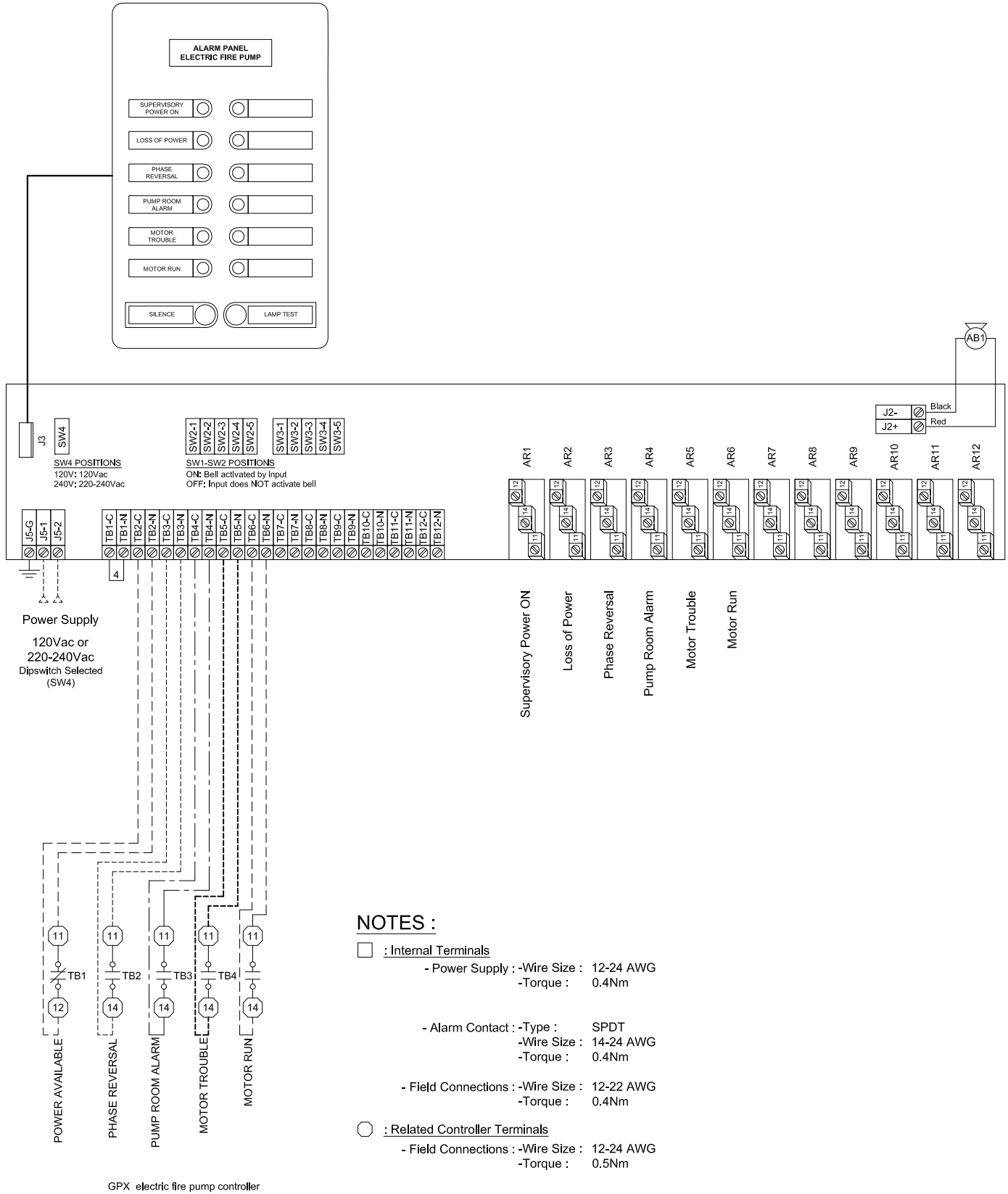
Tel: + 65 6795 7823

ALARM PANEL FOR ELECTRIC FIRE PUMP CONTROLLER

Schematic

MODEL : APE

BUILT TO UL 508A STANDARD.



Drawing for Information only.
Manufacturer reserves the right to modify this drawing without notice.
For drawing for approval or Installation, please contact manufacturer.



ISO 9001
REGISTERED



0.	21/12/18	FIRST ISSUE	VER.
REV.	DATE dd/mm/yy	DESCRIPTION	APP.

Drawing No.

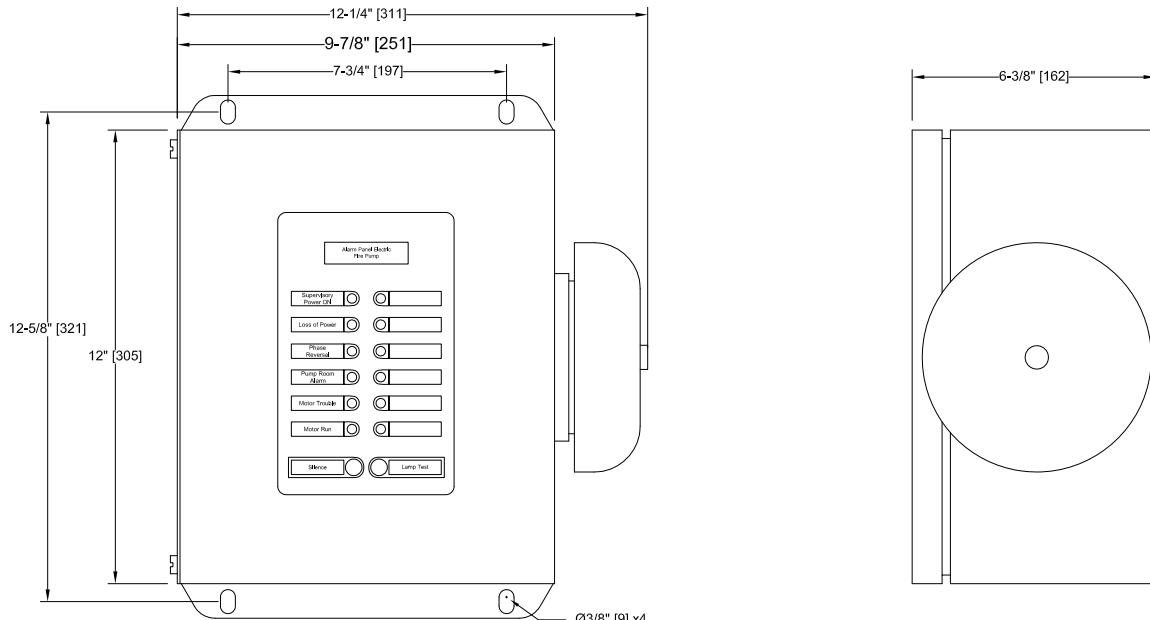
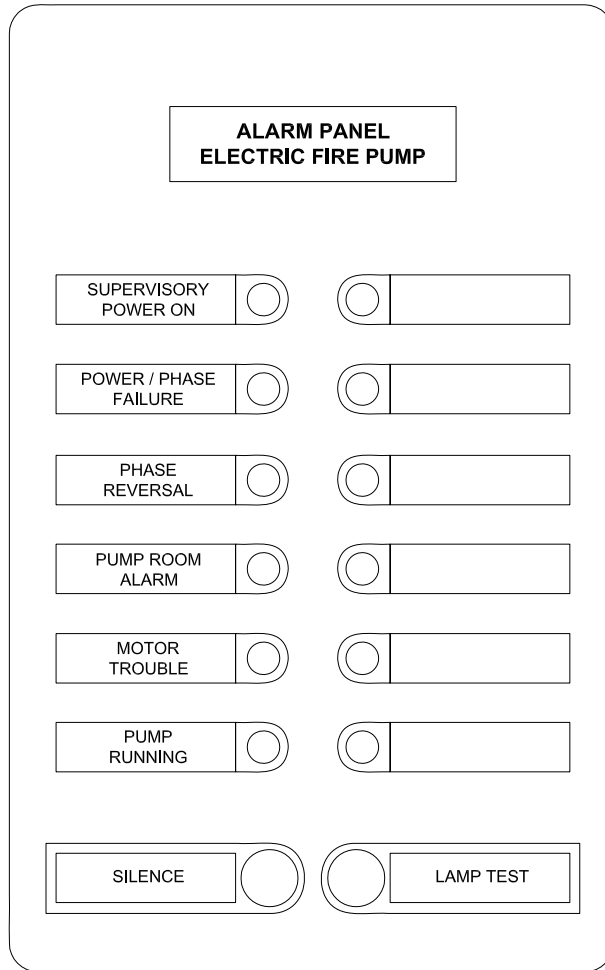
APE-WS001 / E

ALARM PANEL FOR ELECTRIC FIRE PUMP CONTROLLER

MODEL : APE

Dimensions

BUILT TO UL 508A STANDARD.



NEMA 1 ENCLOSURE
RED RAL 3002

Drawing for information only.
Manufacturer reserves the right to modify this drawing without notice.
For drawing for approval or installation, please contact manufacturer.



ISO 9001
REGISTERED



REV.	DATE	DESCRIPTION	APP.
0.	21/12/18	FIRST ISSUE	VER.
			APP.

Drawing No.

APE-DI001 / E