



# TORNATECH

Project: \_\_\_\_\_

Customer: \_\_\_\_\_

Engineer: \_\_\_\_\_

Pump Manufacturer: \_\_\_\_\_

## Model APED

Remote dual alarm panel for electric driven  
and diesel engine driven fire pumps

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

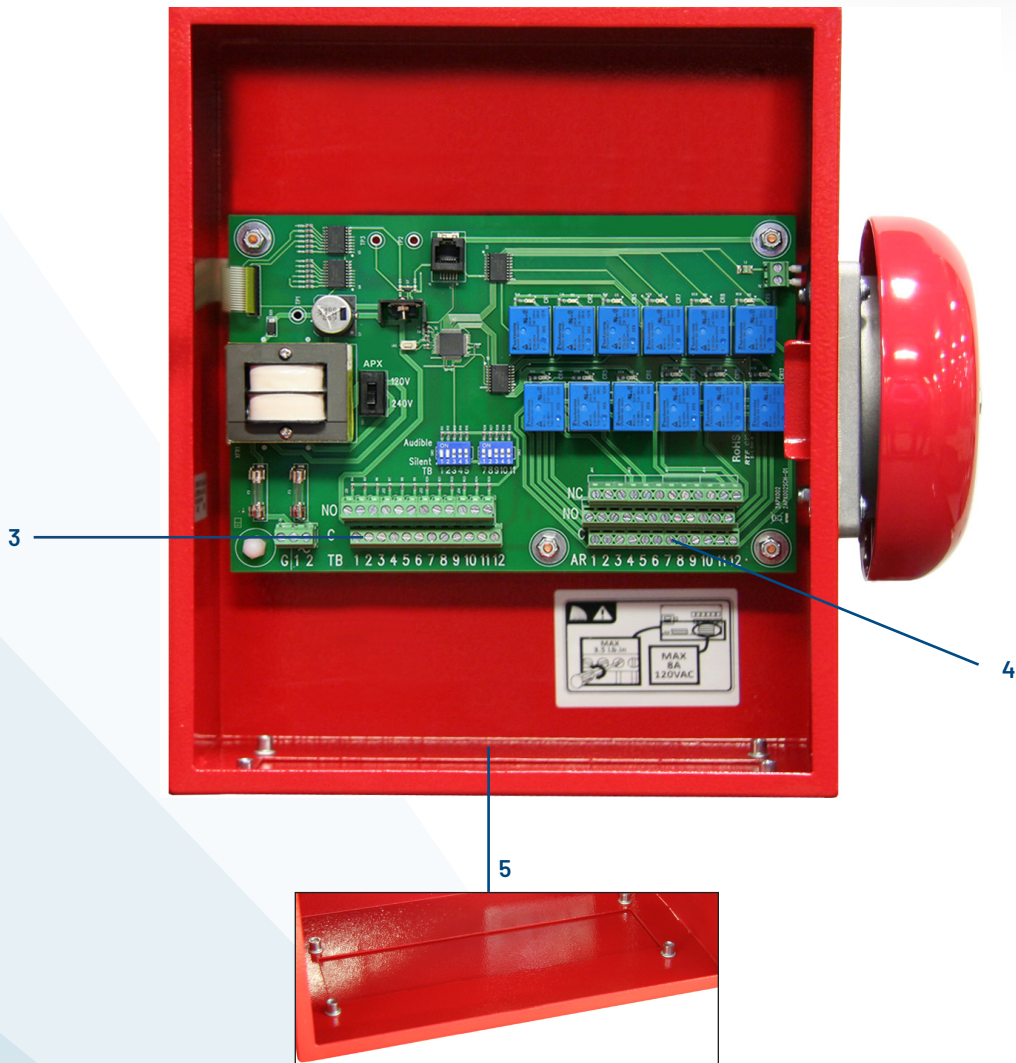
### Standard Features

- 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.



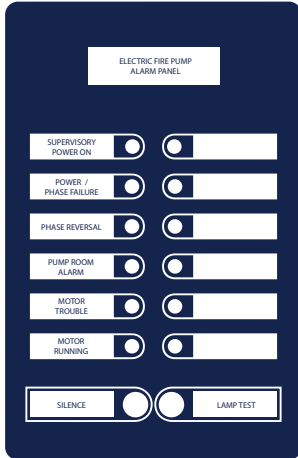
1. Built-in wall mounting lugs for ease of installation
2. 4" alarm bell
3. Alarm inputs from fire pump controller (1 N.O)
4. Alarm outputs for remote annunciation (1N.O - 1 N.C)
5. Gland plate



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

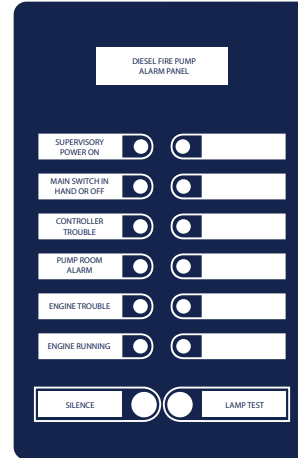
- Supervisory Power On

### 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

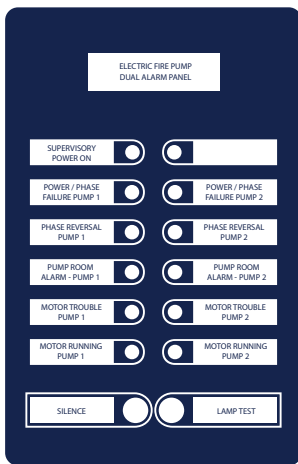
- Supervisory Power On

### 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

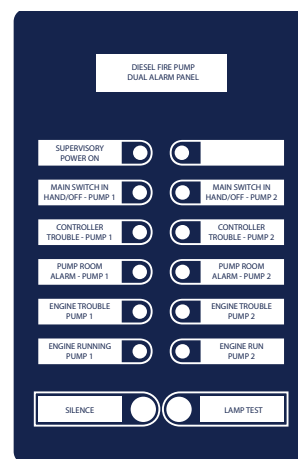
### VISUAL AND AUDIBLE

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

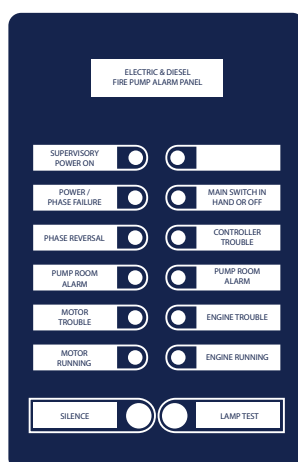
### VISUAL AND AUDIBLE

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

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Wavre, Belgium

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Dubai, United Arab Emirates

Tel: + 971 (0) 4 887 0615

### ASIA

Tornatech Pte Ltd.

Singapore

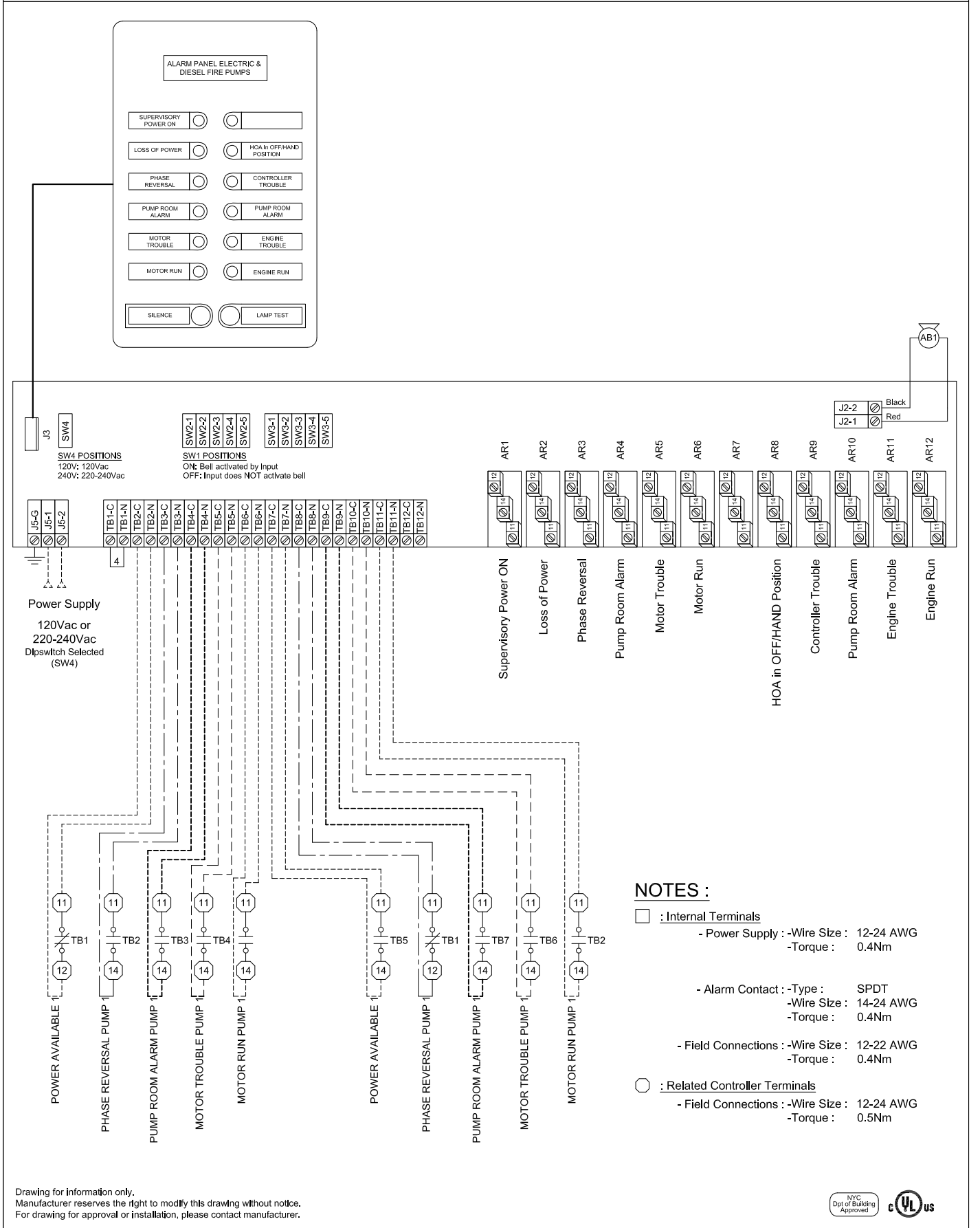
Tel: + 65 6795 8114

Tel: + 65 6795 7823

# ALARM PANEL FOR ELECTRIC & DIESEL FIRE PUMP CONTROLLERS

Schematic

MODEL : APED  
BUILT TO UL 508A STANDARD.



**NOTES :**

- : Internal Terminals
  - Power Supply : -Wire Size : 12-24 AWG
  - Torque : 0.4Nm
- Alarm Contact : -Type : SPDT
- Wire Size : 14-24 AWG
- Torque : 0.4Nm
- Field Connections : -Wire Size : 12-22 AWG
- Torque : 0.4Nm
- : Related Controller Terminals
  - Field Connections : -Wire Size : 12-24 AWG
  - Torque : 0.5Nm

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



				Drawing No.	
				APED-WS001 / E	
0.	21/12/18	FIRST ISSUE	VER.		
REV.	DATE	DESCRIPTION	APP.		

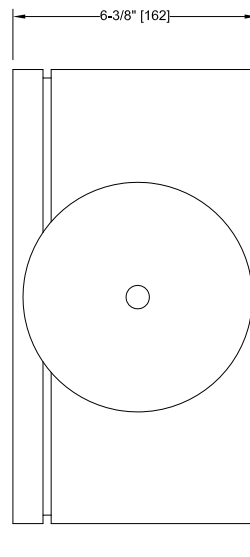
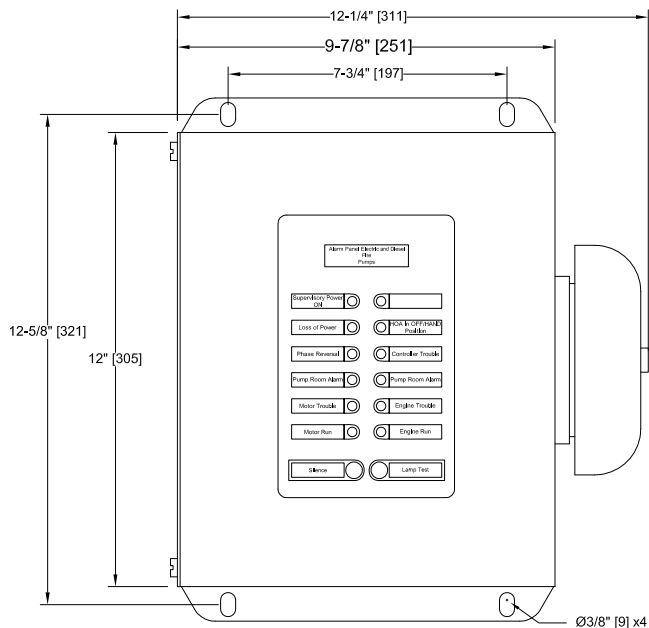
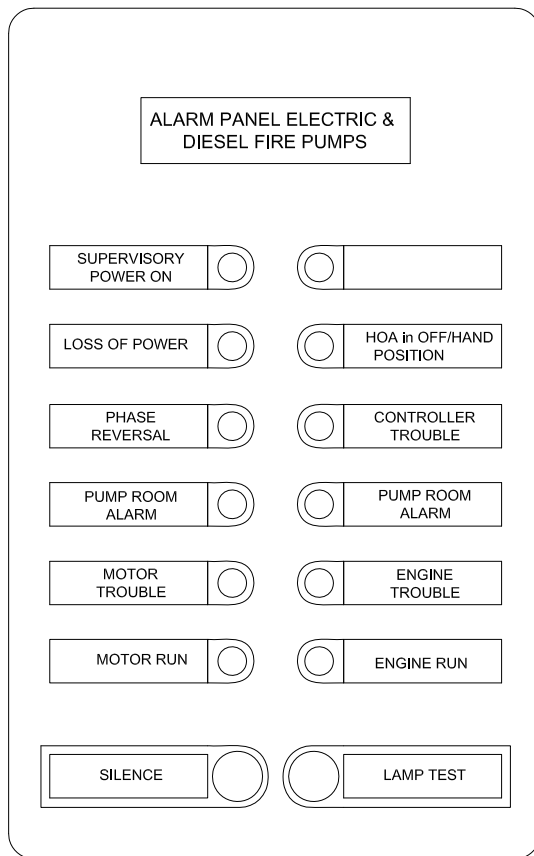


# ALARM PANEL FOR ELECTRIC & DIESEL FIRE PUMP CONTROLLERS

MODEL : APED

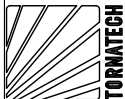
Dimensions

BUILT TO UL 508A STANDARD.



NEMA 1 ENCLOSURE  
RED RAL 3002

Drawing for information only.  
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For drawing for approval or installation, please contact manufacturer.



ISO 9001  
REGISTERED



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

Drawing No.  
APED-DI001 / E