



PROJECT: _____

CUSTOMER: _____

ENGINEER: _____

PUMP MANUFACTURER: _____

MODEL: APD

**REMOTE ALARM PANEL FOR
DIESEL ENGINE 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.





APx

SERIES



APX
APX
APX

Remote Alarm Panels For Fire Pump Applications



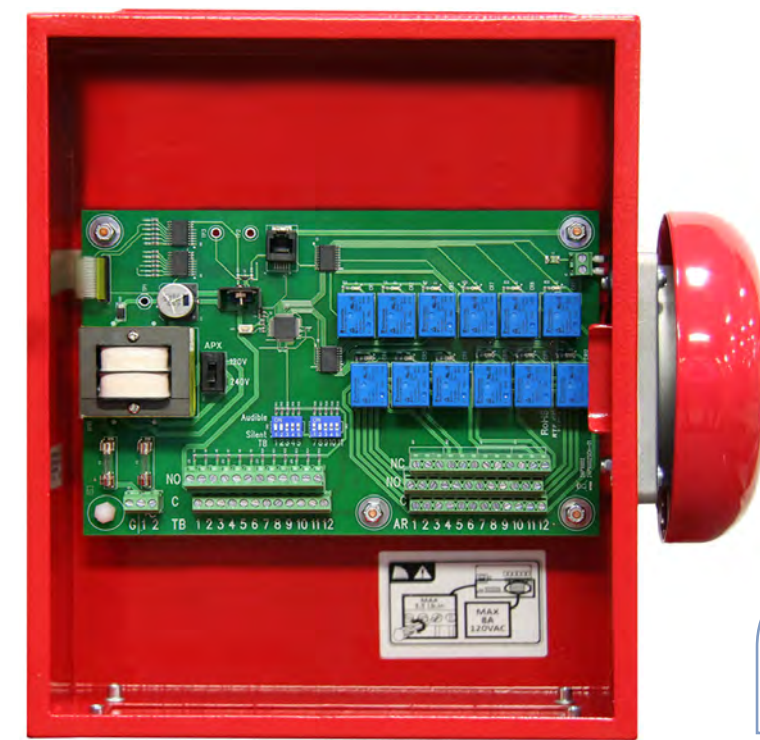
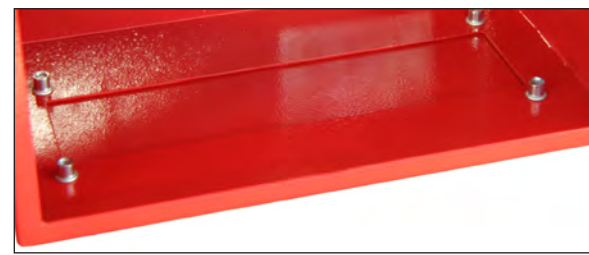
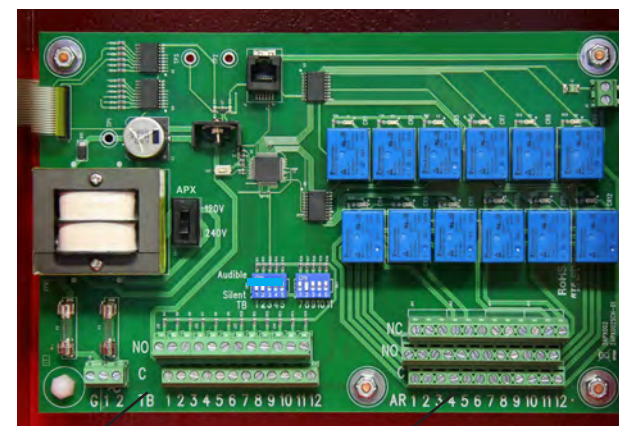
APx SERIES

Remote Alarm Panels For Fire Pump Applications

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.

STANDARD FEATURES:

- NEMA 1 enclosure
- Bottom entry gland plate
- LED type visual indication
- Quantity 12 N.O inputs (Max. 8A - 120V.AC)
- Quantity 12 N.O or N.C outputs (SPST - Max. 8A - 120V.AC)
- 4" Alarm bell
- Silence pushbutton
- Lamp test pushbutton

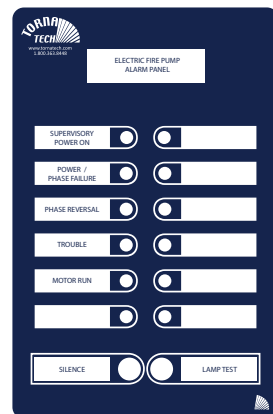


SERIES

APx

Model APE

For monitoring of a single electric fire pump controller

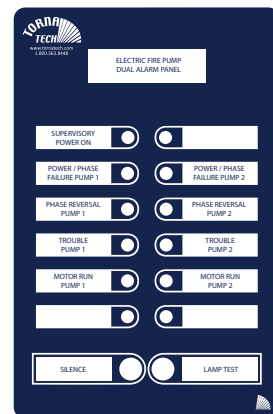


- VISUAL**
- Supervisory Power On

- VISUAL AND AUDIBLE**
- Power / Phase Failure
 - Phase Reversal
 - Trouble
 - Motor Run

Model APEE

For monitoring of two electric fire pump controllers

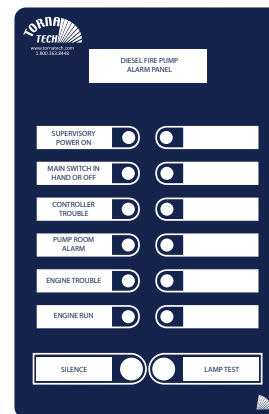


- VISUAL**
- Supervisory Power On

- VISUAL AND AUDIBLE**
- Power / Phase Failure - Pump 1 and 2
 - Phase Reversal - Pump 1 and 2
 - Trouble - Pump 1 and 2
 - Motor Run - Pump 1 and 2

Model APD

For monitoring of a single diesel fire pump controller

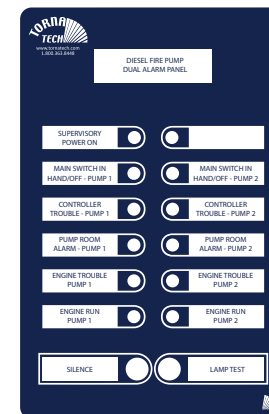


- VISUAL**
- Supervisory Power On

- VISUAL AND AUDIBLE**
- Main Switch in Hand or Off
 - Controller Trouble
 - Pump Room Alarm
 - Engine Trouble
 - Engine Run

Model APDD

For monitoring of two diesel fire pump controllers

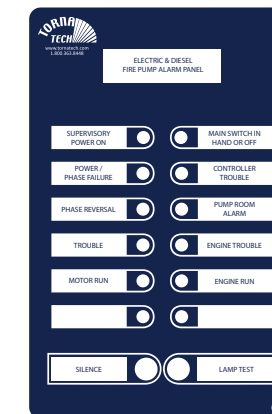


- VISUAL**
- Supervisory Power On

- VISUAL AND AUDIBLE**
- Main Switch in Hand or Off - Pump 1 and 2
 - Controller Trouble - Pump 1 and 2
 - Pump Room Alarm - Pump 1 and 2
 - Engine Trouble - Pump 1 and 2
 - Engine Run - Pump 1 and 2

Model APED

For monitoring of an electric and a diesel fire pump controller



- VISUAL**
- Supervisory Power On

- VISUAL AND AUDIBLE**
- Power / Phase Failure
 - Phase Reversal
 - Trouble
 - Motor Run
 - Main Switch in Hand or Off
 - Controller Trouble
 - Pump Room Alarm
 - Engine Trouble
 - Engine Run

APx **SERIES**

Remote Alarm Panels For Fire Pump Applications

AVAILABLE OPTIONS:

- Additional LED visual indications
- Additional output alarm points (SPST - Max. 8A - 120V.AC)
- Fire pump start pushbutton
- 220V.AC supervisory power
- NEMA 2 enclosure
- NEMA 4 enclosure
- NEMA 4X enclosure
- CE Listing
- French labelling
- Spanish labelling

* For other options please contact factory.

HOW TO ORDER: **APD** - Supervisory Voltage - options
Ex.: **APD** - 120 - options

Tornatech Inc.

7075, Place Robert-Joncas,
Suite # 132,
Montreal, Canada
H4M 2Z2
Tel.: + 1 514 334 0523
+ **1 800 363 8448**
Fax: + 1 514 334 5448

USA Sales Office

9578, Atchison Court,
Cincinnati, Ohio,
45069 U.S.A.
Tel.: + **1 513 307 6766**
Fax: + 1 513 759 0509

Tornatech Pte Ltd.

Paya Ubi Industrial Park,
51 Ubi 1 Avenue,
Unit # 01-18,
Singapore 408933
Tel.: + **65 6844 3285**
+ 65 6844 3917
Fax: + 65 6844 8549

Tornatech S.P.R.L.

Avenue Sabin 3,
1300 Wavre,
Belgique
Tel.: + **32 (0) 10 84 40 01**
Fax: + 32 (0) 10 24 75 05

Tornatech Fz-Llc.

P.O. Box 502221,
Dubai, UAE
Tel.: + **971 50 8574639**

tornatech.com

info@tornatech.com

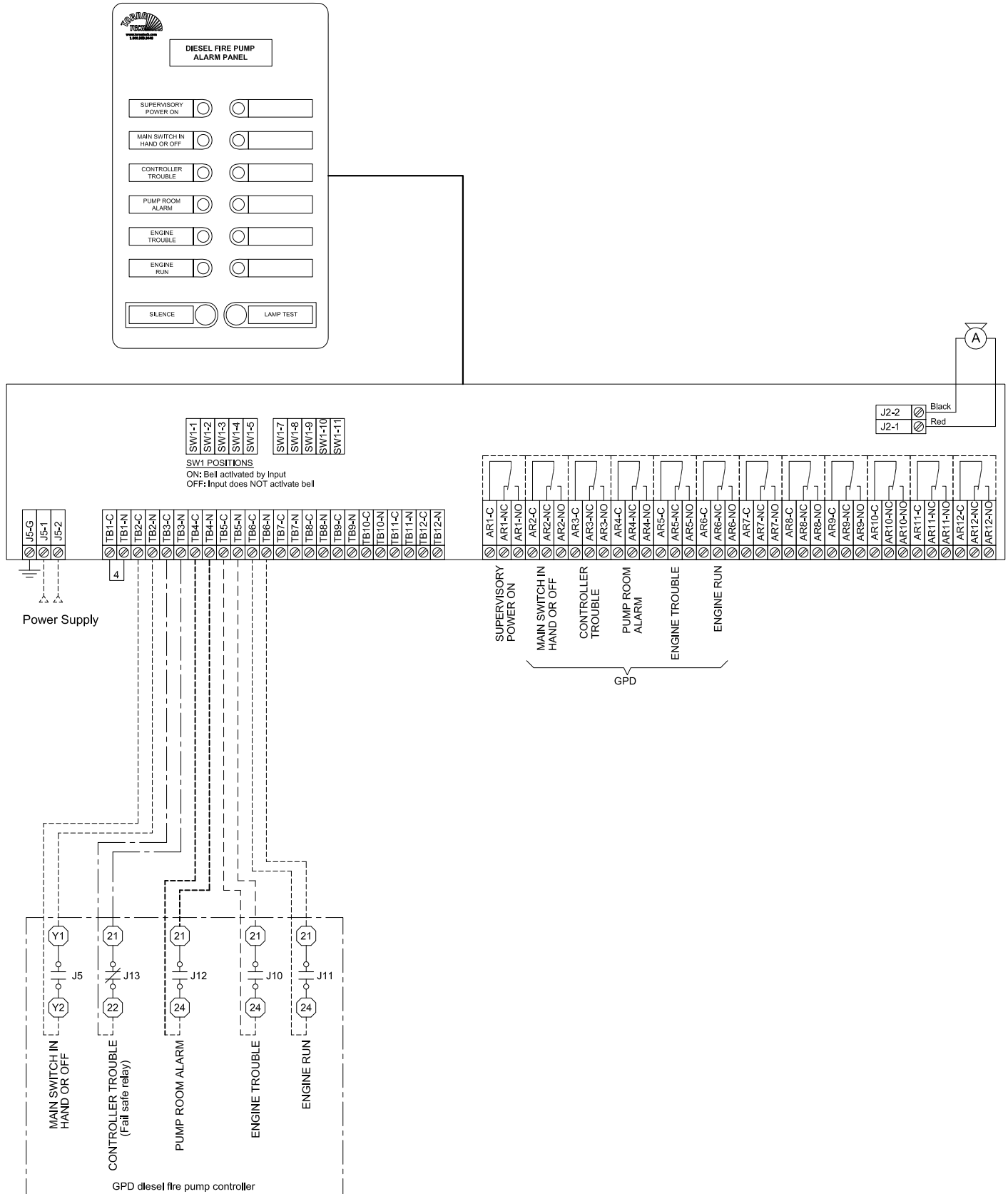
APx-BRO-001/E Rev.0
Subject to modification without notice
All rights reserved. Printed in Canada

ALARM PANEL FOR 1 DIESEL FIRE PUMP CONTROLLER

MODEL : APD

Schematic

BUILT TO UL 508A STANDARDS.



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

NOTES :

- : TERMINALS INSIDE ALARM PANEL
- : TERMINALS ON RELAY BOARD INSIDE GPD



ISO 9001 REGISTERED



10100802

REV.	DATE	DESCRIPTION	APP.
0.	10/12/20	FIRST ISSUE	

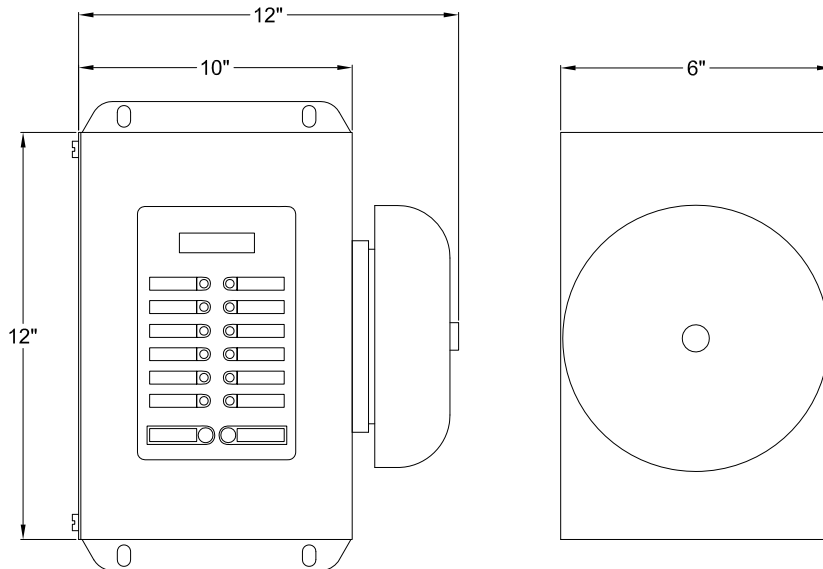
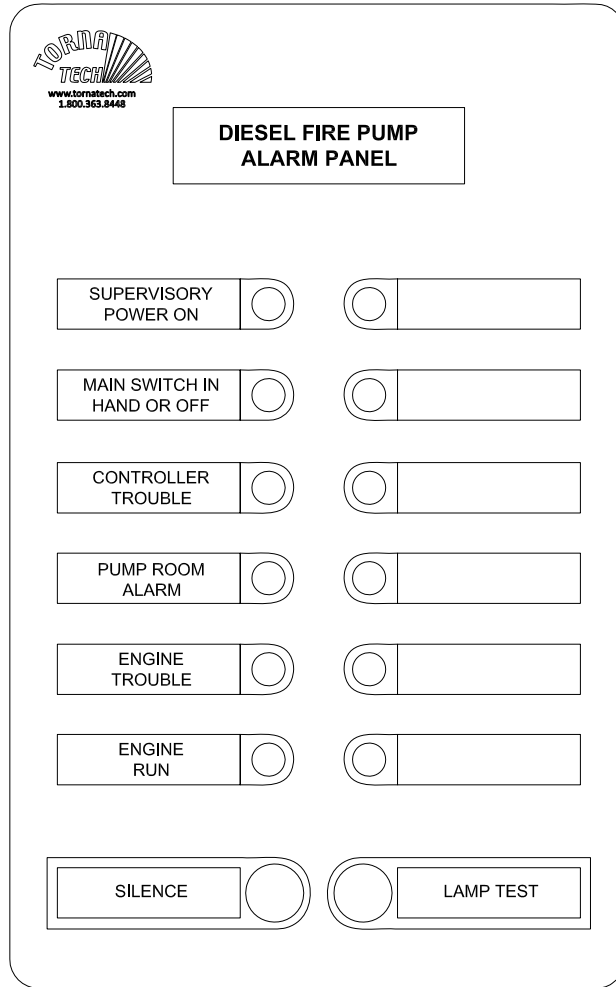
Drawing No.
DES.
VER. APX-0000 1/2 /E
APP.

ALARM PANEL FOR 1 DIESEL FIRE PUMP CONTROLLER

MODEL : APD

Dimensions

BUILT TO UL 508A STANDARDS.



NEMA/CSA 1 ENCLOSURE
FINISHED FIRE RED

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



10100802

REV.	DATE	DESCRIPTION	APP.
0.	10/12/20	FIRST ISSUE	

Drawing No.

APX-0000 2/2 /E