



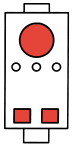
**WARRICK
CONTROLS**

TA-730 SERIES

Intrinsically
Safe

MONITORING PANEL

APPLICATIONS

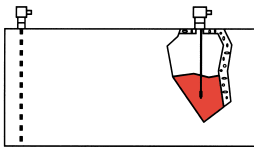


Non-Hazardous Area

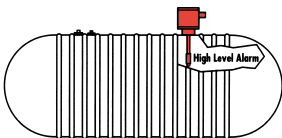
Seal Off Fitting

Hazardous Area

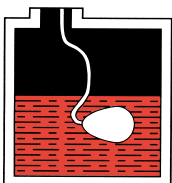
**Aboveground Fuel
Storage Tanks
Leak Detection,
Overfill**



**Underground Fuel
Storage Tanks
High Level Alarm,
Leak Detection,
Piping Sumps**



**Liquid Level Alarms
High/Low Floats**



- A** Power and auxiliary contact wiring
- B** Adjustable sound level from 77-97 dB via moveable horn shutter
- C** Red LED indicates current fault condition
- D** Green LED indicates panel has power
- E** For TA-731, yellow LED indicates fault condition has occurred, even if fault has cleared itself (TA-732 "Alarm 2" red LED)
- F** Test button allows alarm activation and system testing
- G** Acknowledge button allows direct alarm silencing
- H** Intrinsically safe sensor wiring

Warrick TA-730 Series intrinsically safe monitoring panels solve simple tank monitoring needs. Packaged in secure 3R rated electrical enclosures, they are designed to interface with a variety of leak detection or overfill sensors. Applications include refill alarm, overfill alarm, high level alarm and leak detection.

These cost-effective, solid state TA-730 monitoring panels offer many features not commonly found in controls of this type:

- Intrinsically safe sensor circuit(s)
- Auxiliary contact for remote alarm or cutoff
- Field selectable operation of auxiliary relay for cutoff mode or alarm mode
- Caution LED to warn when a fault condition has occurred and cleared itself (TA-731 only)
- Available in 1-channel model (TA-731) and 2-channel model (TA-732)
- Indoor or outdoor installation
- Low cost, long life
- High impact polycarbonate plastic housing
- Compact design, small footprint
- Easy-to-reach screw-in wiring terminals for easy installation and secure connections
- Options for either normally open or normally closed contacts

TA-730 SERIES

I.S. MONITORING PANEL

SPECIFICATIONS

- **Supply Voltage:**
120 VAC +10%,
-15%, 6.6 VA
maximum
- **Indicators:**
Red, green and
yellow (TA-731)
solid state LEDs
- **Audible Alarm:**
Field adjustable
from 77-97 dB at 2 ft.
- **Enclosure:**
NEMA 3R polycar-
bonate (6 1/4"H x
3 1/4"W x 3 1/2"D)
- **Sensor Circuit(s):**
12 VDC,
.238 milli-amp
- **Terminals:**
Size 6 pan head
screws with
captivated wire
clamping plate
- **Temperature:**
-22° to 150° F
ambient
- **Sensitivity:**
0-26K ohm
maximum specific
resistance
- **U.L. 913 Listing:**
Process control
equipment associ-
ated apparatus,
intrinsically safe
- **Conduit
Connections:**
sensor 3/4" NPT,
PVC material;
power 1/2" NPT,
metal
- **Auxiliary Contact:**
SPDT, 10A @
120/240 VAC,
resistive

TA-731 Operation:

The green LED will light when power is applied to the unit. When the remote contact changes state (fault condition), the audible alarm will activate and the red and yellow LEDs will light. When the acknowledge pushbutton is pressed, the audible alarm will stop and the yellow LED will clear. The red LED will remain lit as long as the fault condition exists. When the fault condition is corrected, the red LED will clear.

When a fault condition occurs and corrects itself prior to depressing the acknowledge button, the audible alarm and red LED will automatically activate and clear, matching the fault condition. However, the yellow LED will remain lit to indicate that the fault condition had previously occurred. Pressing the acknowledge button will clear the yellow LED.

TA-732 Operation:

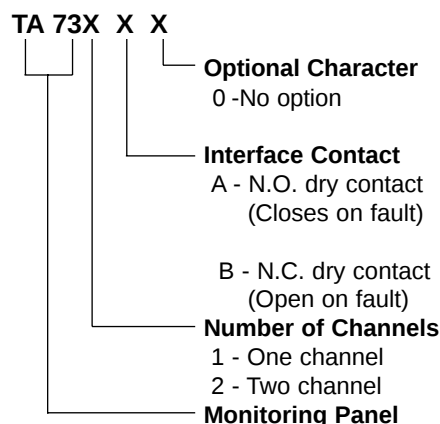
The green LED will light when power is applied to the unit. When the

appropriate sensor contact changes state (fault condition), the audible alarm will activate and the appropriate red LED will light. When the acknowledge pushbutton is pressed, the audible alarm will stop. The alarm LED will remain lit as long as the fault condition exists. When the fault condition is corrected, the alarm LED will clear.

TA-73XXO models include an onboard selector switch to change the operating mode of the auxiliary relay. In cut-off mode, the relay mimics the red LED. The relay activates on fault condition and remains activated until the fault condition has been cleared. Pressing the acknowledge button will not reset the auxiliary relay. On the model TA-732XO, the auxiliary contact will only operate off of channel 1 (Sensor 1).

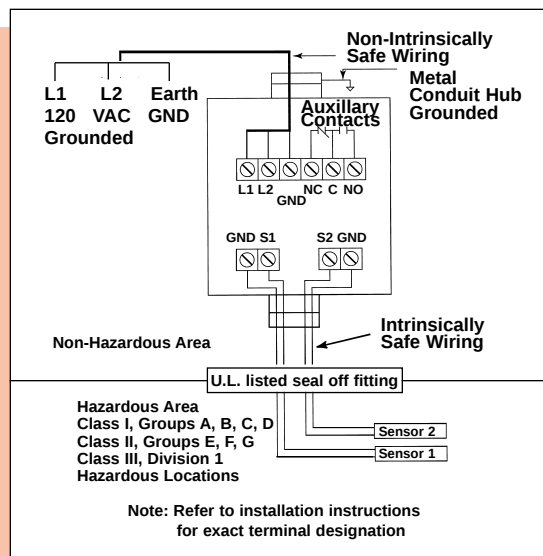
In the alarm mode, the relay mimics the horn. The relay will activate on fault condition and will reset on pressing the acknowledge button or clearing the fault condition.

Ordering Information:



Maximum Sensor Wire Run:
5000 feet based on 12 through 22
gauge wire

Caution: The TA-730 must be
located in a non-
hazardous area.



Authorized Distributor: