

## T-ACU General Purpose Alarm Control Units



### Description

The T-ACU Alarm Control Unit series provides audible and visual alarms from alarm contacts such as those found on pressure and level switches. Contacts may be either normally open or normally closed.

The alarm inputs where appropriate are protected by individual ATEX approved Zener Barriers allowing use with switches mounted in hazardous areas.

On an alarm input the appropriate alarm lamp lights up and the sounder operates, pressing the Mute button silences the sounder but leaves the alarm lamp lit. Another alarm coming in causes the appropriate alarm lamp to light and the sounder to operate, again the Mute button may be used to cancel the sounder while leaving the alarm lamp lit. Alarm lamps are turned off again when the alarm signal ends.

A volt free switch contact for external use (ACU2-ACU8) is provided to enable connection to an external BMS, PLC or Beacon. This contact switches on the first alarm in and remains switched until all alarms are cleared. A contact (ACU2-ACU8) is also provided for an external sounder which may be muted at the panel.

Powered from an 85 to 245Vac 50Hz or 24Vdc supply, versions are available with tank level display meters and GSM or wireless connections.

Please contact us with your specific requirements.

### Specification

**Supply:** 85/245Vac; 50/60Hz, +24Vdc

**Indicators:** Power On - Amber LED Cluster Lamp. Alarm - Red LED Cluster Lamp (ACU1 has Red LED Beacon).

**Controls:** Test Button simulates alarm condition. Mute cancels sounder.

**Alarm Output Relays:** SPCO 250Vac; 3A non-inductive load, volt free contacts. (Optional on T-ACU1).

**Sounder:** Internal piezo-electric sounder (90db @ 0.6 metre).

**Alarm Input:**

1 to 8 normally open or normally closed volt free contacts (Specify). Zener Barrier protection allows inputs from contacts in Hazardous Areas (Specify).

**Housing:** Mild Steel (Standard) or ABS (Specify).

300 x 300mm x 200mm.  
(ACU1 250 x 200 x 150mm)  
IP65 Rating

**Cable Entry:** Gland Plate or Direct

**Weight:** 5 kg depending on enclosure type

**General Part Numbers:**

T-ACU1	1 Normally Open Input
T-ACU1NC	1 Normally Closed Input
T-ACU2	2 Normally Open Inputs
T-ACU2NC	2 Normally Closed Inputs
T-ACU3	3 Normally Open Inputs
T-ACU3NC	3 Normally Closed Inputs
T-ACU4	4 Normally Open Inputs
T-ACU4NC	4 Normally Closed Inputs
T-ACU5	5 Normally Open Inputs
T-ACU5NC	5 Normally Closed Inputs
T-ACU6	6 Normally Open Inputs
T-ACU6NC	6 Normally Closed Inputs
T-ACU7	7 Normally Open Inputs
T-ACU7NC	7 Normally Closed Inputs
T-ACU8	8 Normally Open Inputs
T-ACU8NC	8 Normally Closed Inputs

For Zener barrier versions add suffix -Z  
For GSM versions add suffix -GSM  
For Wireless versions add suffix -W  
Example: 6 way with barriers and GSM  
T-ACU6-Z-GSM

For additional requirements please contact us.

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