

# 2 Port Environmental Control Unit (ECU) - User Guide

# TFC-MESA-02

## INPUT ALARMS AND SCAN POINT:

**WARNING - SCAN OUT IS CONNECTED TO -48V**

### SCAN OUT (AUDIBLE BUZZER)

NORMALLY OPEN  
 CLOSSES TO -48V IF DOOR OPENS  
 (OPENS WHEN OVERRIDE IS PRESSED)

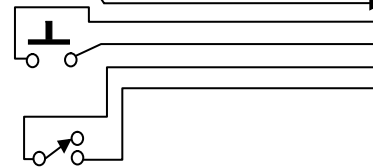
### IN

OVERRIDE SWITCH - NORMALLY OPEN  
 SWITCH CLOSED(MOMENTARY)= OVERRIDE

### DOOR

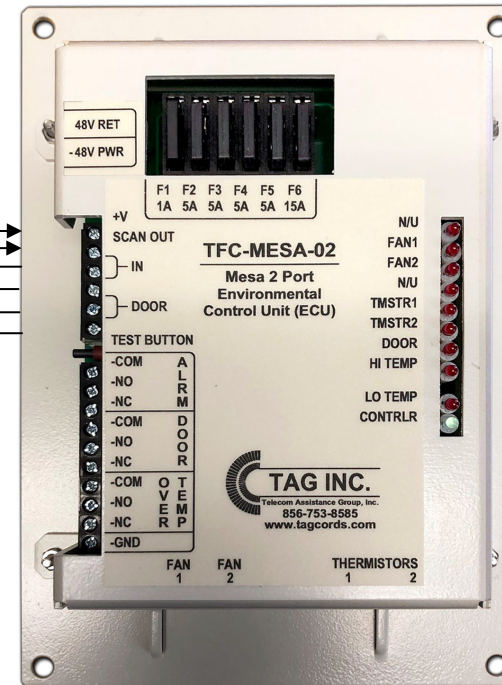
DOOR ALARM  
 SWITCH CLOSED = DOOR OPEN

**+V OUTPUT 5V**



### **NOTES:**

WHEN INSTALLING THE TFC-MESA-02; THE WIRING IS PIN FOR PIN.  
**\*\* DO NOT REUSE EXTERNAL PROTECTION BOARD \*\***  
 THE TFC-MESA-02 HAS BUILT IN PROTECTION.



### NOTES:

1. FANS RUN AT SLOW SPEED IF DOOR IS OPEN UNLESS OVERRIDE SWITCH IS ENGAGED.
2. SCAN OUT OPERATES THE BUZZER.
  - BUZZER WILL SOUND IF DOOR ALARM IS TRIGGERED.
  - OVERRIDE BUTTON WILL DISABLE AUDIBLE BUZZER AND DOOR ALARM CONTACT FOR 20 MIN.
3. BUZZER WILL SOUND INTERMITTENTLY FOR 30 SECONDS WHEN DOOR IS CLOSED.

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## ALARM CONTACTS & OUTPUTS:

### TEST BUTTON

- 1ST PUSH - FANS SLOW SPEED
- 2ND PUSH - FANS MEDIUM SPEED
- 3RD PUSH - FANS HIGH SPEED
- 4TH PUSH - BACK TO OPERATION

**(5 MINUTE TIMEOUT)**

### ALRM - ANY FAN OR THERMISTOR IN ALARM

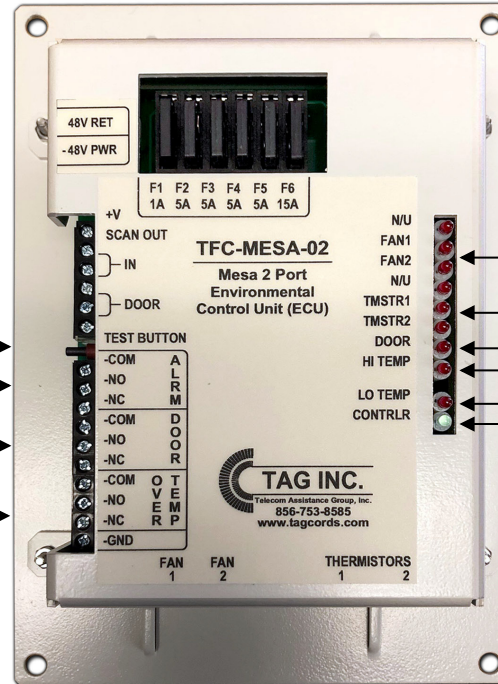
- COM-NO = OPEN ON ALARM
- COM-NC = CLOSED ON ALARM

### DOOR - INTRUSION ALARM

- COM-NO = OPEN ON ALARM
- COM-NC = CLOSED ON ALARM

### OVER TEMP - ALARM

- COM-NO = OPEN ON ALARM
- COM-NC = CLOSED ON ALARM



### FAN 1 - 2

LIGHT ON IF CORRESPONDING FAN IS IN ALARM

### TMSTR 1 - 2

LIGHT ON IF THERMISTOR IS DEFECTIVE

### DOOR

LIGHT ON IF DOOR IS OPEN

### HIGH TEMP

LIGHT ON IF TEMP OVER 60°C

### LO TEMP

LIGHT IS NOT USED ALWAYS OFF

### CONTRLR

LIGHT ON IF CONTROLLER IS FUNCTIONING PROPERLY

**ALRM, DOOR AND OVER TEMP CONTACT ARE ISOLATED RELAYS**

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