FTLEDM

ADDRESSABLE MIMIC PANEL

Description

The FTLEDM is a fully programmable COM loop remote LED mimic panel. It provides green power ON indicator, yellow fault indicator, 22 red indicators for zone alarm, buzzer and a buzzer silence switch. The panel utilises the I/O matrix board 4582 and the 2 x 12 LED mimic boards currently used in the fire brigade index panel for the NZ market. An external relay and I/O multi purpose 3361 are required to provide the buzzer silence facility.

The Mimic Panel is housed in a light grey metal housing measuring 200 x 300 x 60mm.

Mode of Operation

In normal conditions, only the green 'POWER' LED will be lit, when a fault is generated in the system, the 'POWER' LED will distinguish (depending on programming, it can remain lit in fault conditions) and the yellow 'FAULT' LED will illuminate. The Zone alarm LED's will be activated on alarm from the respective programmed zones.

The buzzer will sound dependent on the control expression used to activate the Relay Re0 of the 3361 (normally one of the associated zones going into alarm). If the Buzzer Silence switch is pressed the Buzzer will silence and the Buzzer Silence LED will illuminate. The switch will not reset until the conditions of Re0 triggering are cleared.

Note that the trigger condition of each output (LED) is dependent on the zone programming in the Site Specific Data (SSD).

For more details and addressing of the 3361 and the 4582, please refer to their individual datasheets.

Features

Only COM loop and 24V$_{DC}$ are required for the remote LED mimic panel. White rectangular space is provided on the decal label for each individual zone for labelling. Buzzer can be programmed via Re0 in 3361 to sound on zone alarm, general fault in the system or both.

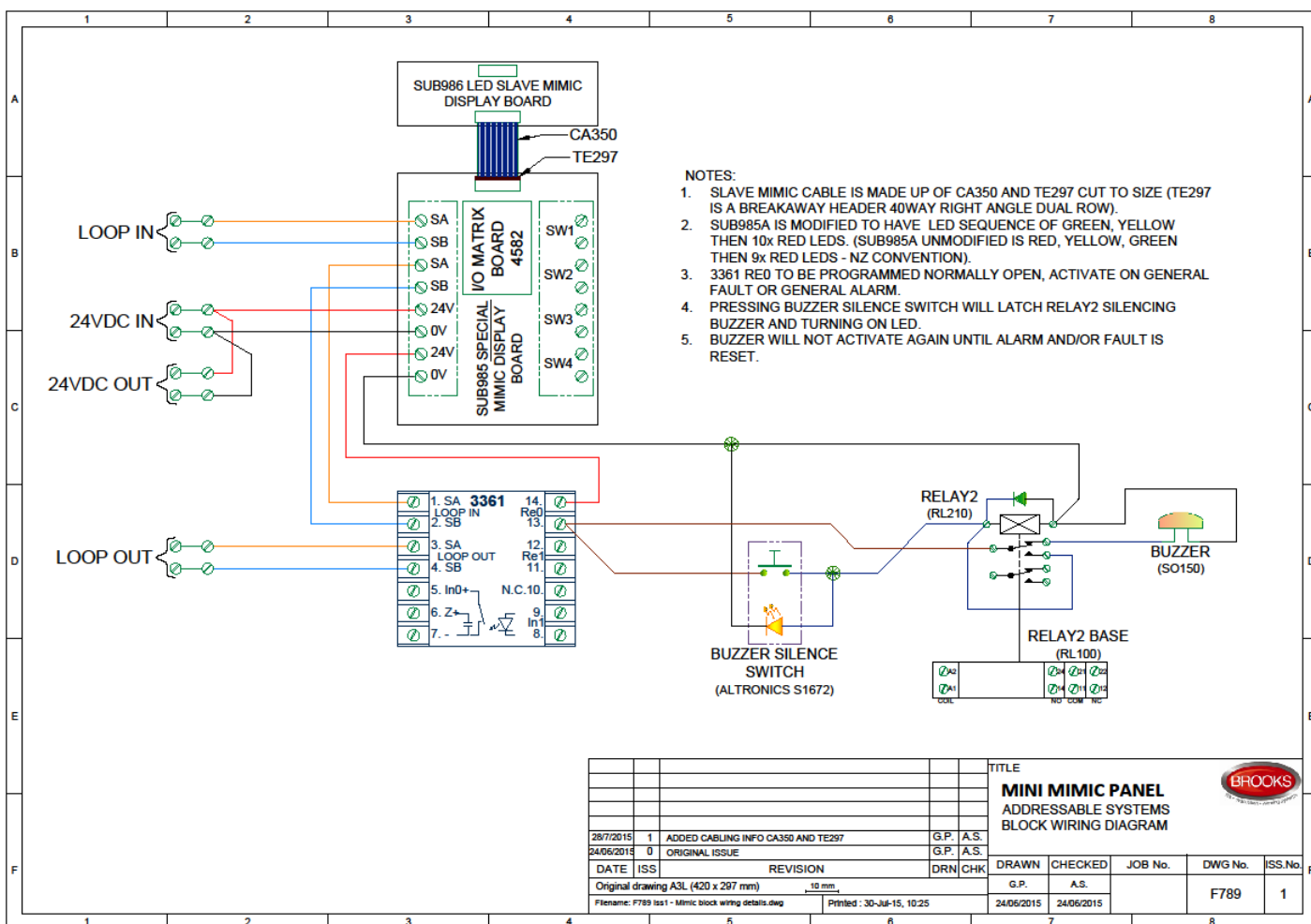| Date	Rev	Description	Title FTLEDM – Remote Addressable LED Mimic Panel for FT1020G3 & FT128 Page 1 of 2	Technical Datasheet			
				Created	**Checked**	**TDS No.**	**Rev**
				Greg P	Anis S.		
13/8/2015	0	Original Issue		13/8/2015	13/8/2015	**TDS048**	0

Specifications

Function	Description
Current Consumption 24V	Quiescent 4mA, alarm 100mA Max
Current Consumption COM Loop	Quiescent 8.8mA, active 8.8mA

(Due to the continual development Brooks Australia reserves the rights to change the product specifications)

Installation

2x key-lock style mounting holes 260mm apart and 1x fixed mounting hole Ø5mm. 2x 20mm knockouts provided on rear for running of cables.

Block Wiring Diagram

NOTES:
1. SLAVE MIMIC CABLE IS MADE UP OF CA350 AND TE297 CUT TO SIZE (TE297 IS A BREAKAWAY HEADER 40WAY RIGHT ANGLE DUAL ROW).
2. SUB985A IS MODIFIED TO HAVE LED SEQUENCE OF GREEN, YELLOW THEN 10x RED LEDS. (SUB985A UNMODIFIED IS RED, YELLOW, GREEN THEN 9x RED LEDS - NZ CONVENTION).
3. 3361 RE0 TO BE PROGRAMMED NORMALLY OPEN, ACTIVATE ON GENERAL FAULT OR GENERAL ALARM.
4. PRESSING BUZZER SILENCE SWITCH WILL LATCH RELAY2 SILENCING BUZZER AND TURNING ON LED.
5. BUZZER WILL NOT ACTIVATE AGAIN UNTIL ALARM AND/OR FAULT IS RESET.

		TITLE **MINI MIMIC PANEL** ADDRESSABLE SYSTEMS BLOCK WIRING DIAGRAM	BROOKS
28/7/2015	1	ADDED CABLING INFO CA350 AND TE297	G.P.	A.S.
24/06/2015	0	ORIGINAL ISSUE	G.P.	A.S.

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