

<b>SPECIFICATIONS</b>	
PROGRAMMED INDICATORS	16
OPERATING TEMPERATURE	
MINIMUM	-22°F
MAXIMUM	122° F
<b>POWER SUPPLY</b>	
MINIMUM SUPPLY VOLTAGE	8V CONTINUOUS, 4V FOR UP TO 5 MIN.
CRANKING DROPOUTS	ABLE TO SURVIVE 0V FOR 50MS PROVIDING THE SUPPLY HAS AT LEAST 10V BEFORE DROPOUT AND RECOVERS 5V AFTERWARDS
MAXIMUM SUPPLY VOLTAGE	35V CONTINUOUS (PROTECTION TO 60V)
MAXIMUM OPERATING CURRENT	112MA AT 12V, 53MA AT 24V
MAXIMUM STANDBY CURRENT	74MA AT 14V, 35MA AT 24V
<b>CONNECTION TYPE</b>	
MIN. CABLE SIZE	AWG 20
MAX. CABLE SIZE	AWG 14
<b>DSENET</b>	
CABLE TYPE	TWO CORE SCREENED TWISTED PAIR
CABLE CHARACTERISTIC IMPEDANCE	120 OHMS
RECOMMENDED CABLE	BELDEN 9841 OR 9271
MAXIMUM CABLE LENGTH	
BELDEN 9841 OR EQUIVALENT	1000M (1KM)
BELDEN 9271 OR EQUIVALENT	500M (0.5KM)
DSENET TOPOLOGY	BUS WITH NO STUBS (SPURS)
DSENET TERMINATION	120 OHMS
MAXIMUM EXPANSION MODULES	REFER TO HOST CONTROLLER DOCUMENTATION

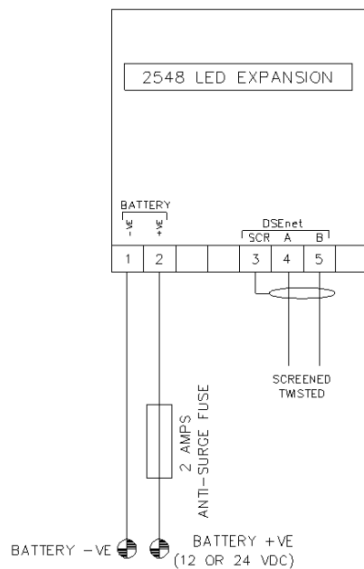
## SOUNDER

The expansion module has an integral sounder, activated upon a signal from the 'host controller'. The controller will activate the sounder when an alarm becomes active and silence the sounder when an alarm mute button is pressed.

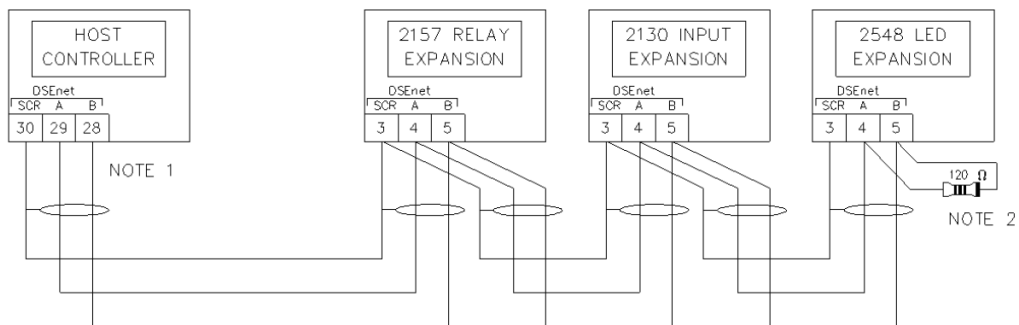
## LED INDICATIONS

FUNCTION	COLOR	ACTION
POWER ON	RED	STEADY LIGHT WHEN DC POWER IS CONNECTED AND DATA IS BEING RECEIVED BY THE HOST CONTROLLER
LINK LOST	RED	FLASHING WHEN DC SUPPLY IS CONNECTED BUT THE DATA CONNECTION TO THE HOST CONTROLLER IS NOT OPERATING
STATUS 1-16	RED	LIT WHEN CORRESPONDING CHANNEL IS ACTIVE

## TYPICAL CONNECTION DIAGRAM



## SCHEMATIC INTERCONNECTION DIAGRAM



NOTE 1  
AS A TERMINATING RESISTOR IS INTERNALLY FITTED TO THE HOST CONTROLLER, THE HOST CONTROLLER MUST BE THE FIRST UNIT ON THE DSEnet

NOTE 2  
A 120 OHM TERMINATION RESISTOR MUST BE FITTED TO THE LAST UNIT ON THE DSEnet

