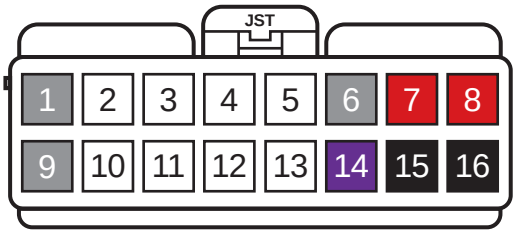
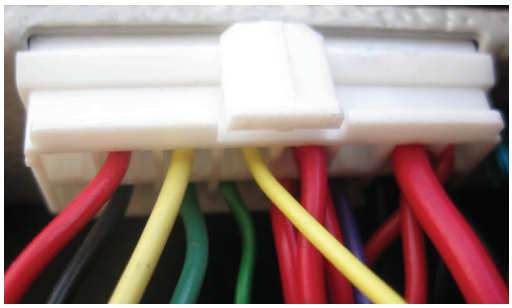
UPGRADING SIGN CONTROLLER

FROM LEGACY MODEL RM-32 TO CURRENT MODEL RM-32D

FOR CONNECTION TO DS-LIVE™ | SIMPLIFIED UPGRADE WIRING DIAGRAM

Fitted with 4G Module





XLP-16V (Housing)
SXF-41T-P0.7 (Pins)

PCB (Side Entry Header)
S16P-XL-HDS(LF)(SN)

JST CONNECTOR – 16 PIN

Pin 1 Pin 9	Do not connect Do not connect		
Pin 2 Pin 10 Pin 3 Pin 11	Radar +VE 12 V **switched output** Radar GND Radar RS-232 TX Radar RS-232 RX	Only compatible with Data Signs supplied radar.	RED pin 1 Radar JST-4 BLACK pin 4 Radar JST-4 YELLOW pin 3 Radar JST-4 GREEN pin 2 Radar JST-4
Pin 4 Pin 12	RS-232 TX output to Keyboard RS-232 RX input to Keyboard		YELLOW GREEN
Pin 5 Pin 13	Fan +VE 12V Fan GND	⚠ ONLY CONNECT TO FANS!	RED Fig.8 Black Fig.8
Pin 6 Pin 14	Do not connect Tamper/On/Blank connects via 4K7 resistor to Battery		
Pin 7 Pin 8	+VE 12 Volts +VE 12 Volts	Sign power input Sign power input	THICK RED THIN RED
Pin 15 Pin 16	GND GND	Sign Power input Sign Power input	THICK BLACK THIN BLACK

RADAR JST-4

VMS KEYBOARD

PIN 14 VOLTAGE CHECKS:

With battery 11 to 13.8V and normal condition, Pin 14 should be 5.6 to 7.5V.

If this is not so, the Tamper Switch is faulty (open circuit) or connection to the battery via the 4K7 is broken.

When Switch is at BLANK, Pin 14 should be 0V or very close.

When Switch is at SHOW, Pin 14 should be same as battery voltage, so 11 to 13.8V

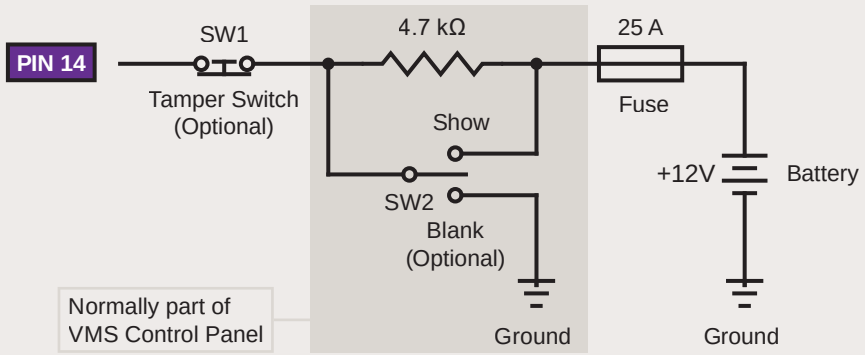
EXPLANATION OF PIN 14 FUNCTION:

PIN 14 -----(3)----- [optional switch (2)]-----{4K7(1)}-----Battery +12V

(1) Pin connects via 4K7 1% resistor to the battery line and monitors system voltage. As a minimum, connect to the Main Battery.

(2) If the Line is broken (SW1) a 'Tamper' alarm is registered. This line can be connected via lid switches.

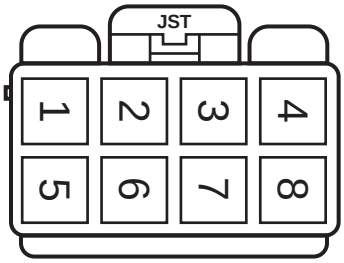
(3) Blank / Resume Message Function. (SW2)
If Pin 14 is pulsed to GND the message BLANKS
If Pin 14 is pulse to + 12V the message DISPLAYS.

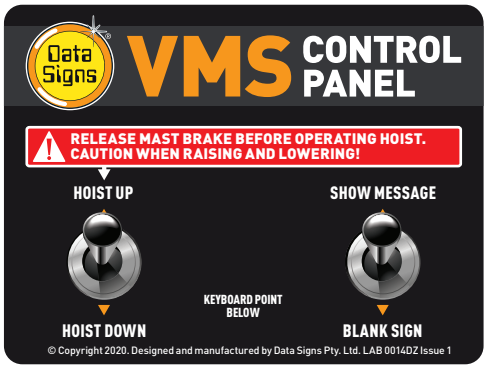


Data Signs AUSTRALIA
Since 1976

datasigns.com
1300 850 785

VMS CONTROL PANEL

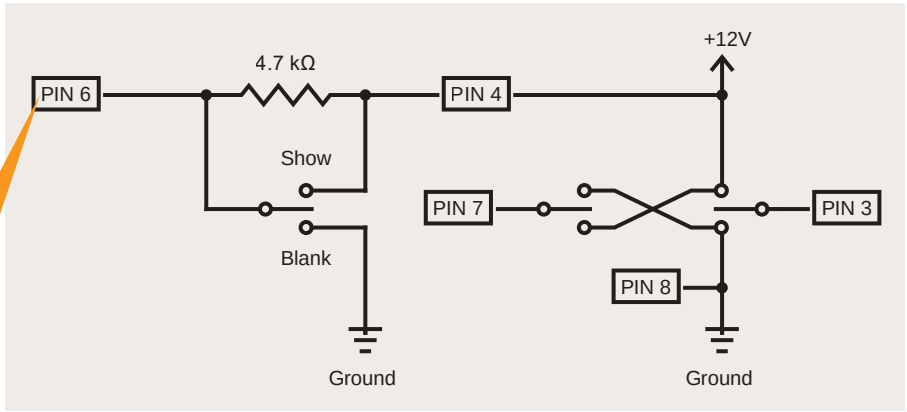


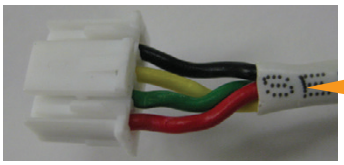


JST CONNECTOR – 8 PIN

Pin 1	RS-232 RX to RM-32D	GREEN
Pin 5	RS-232 TX from RM-32D	YELLOW
Pin 2	Not used	
Pin 6	Tamper/On/Blank, V Sense	RED
Pin 3	Hoist Lift +	BLUE or Pump Raise
Pin 7	Hoist Lift -	BROWN or Release Valve
Pin 4	+VE 12V Input	RED from FUSE PANEL
Pin 8	GND	BLACK from BATTERY

Connects to PIN 14 of RM-32D Controller





VMS Keyboard Connector

VMS COMPUTER CONNECTION BOARD

Pin 1	+12V	RED 2-PAIR
Pin 2	RS-232 RX to RM-32	GREEN 2-PAIR
Pin 3	RS-232 TX from RM-32	YELLOW 2-PAIR
Pin 4	GND	BLACK 2-PAIR

Note: VMS Computer Version 2.xx.xx is Legacy and not compatible with current controllers. Version 3.xx.xx can be upgraded via SD Card.

Data Signs AUSTRALIA
Since 1976
datasigns.com
1300 850 785