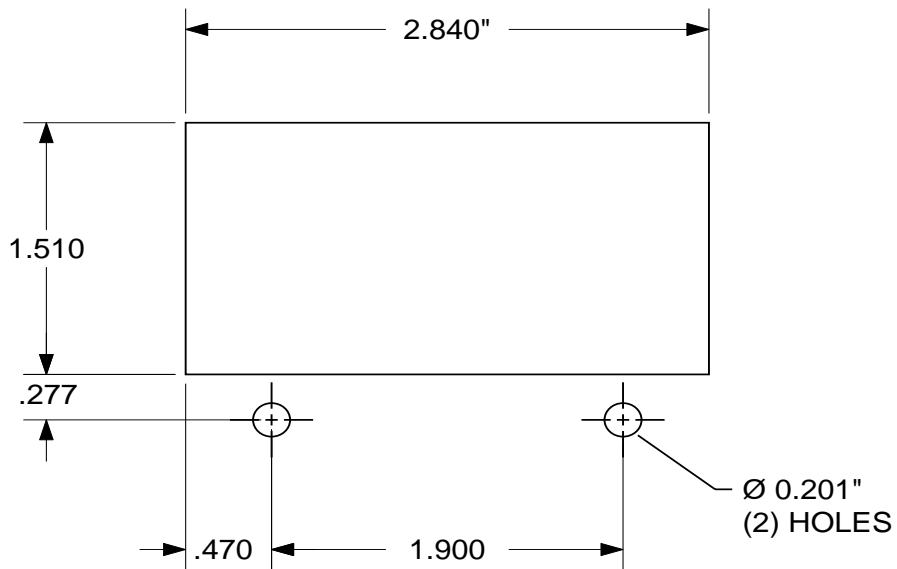


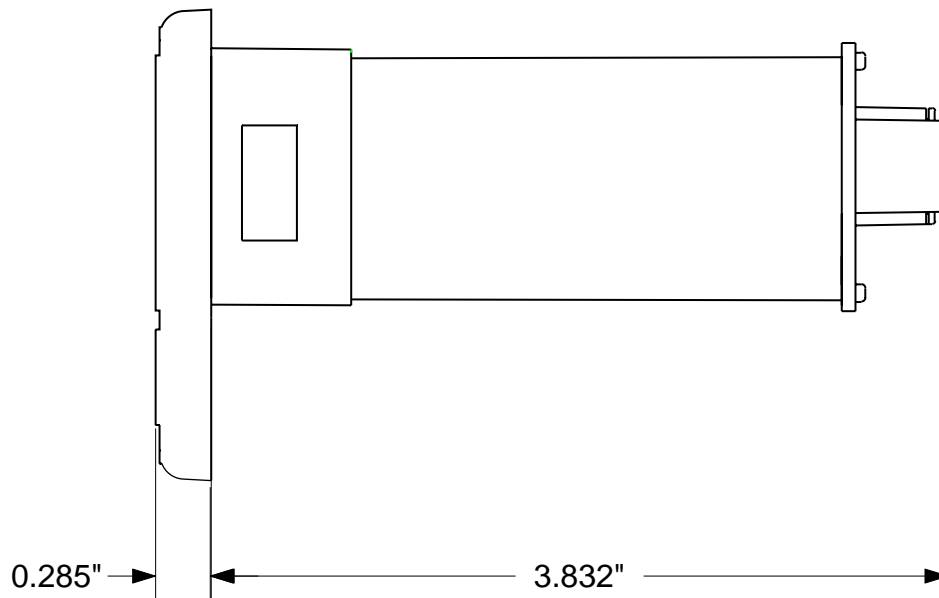
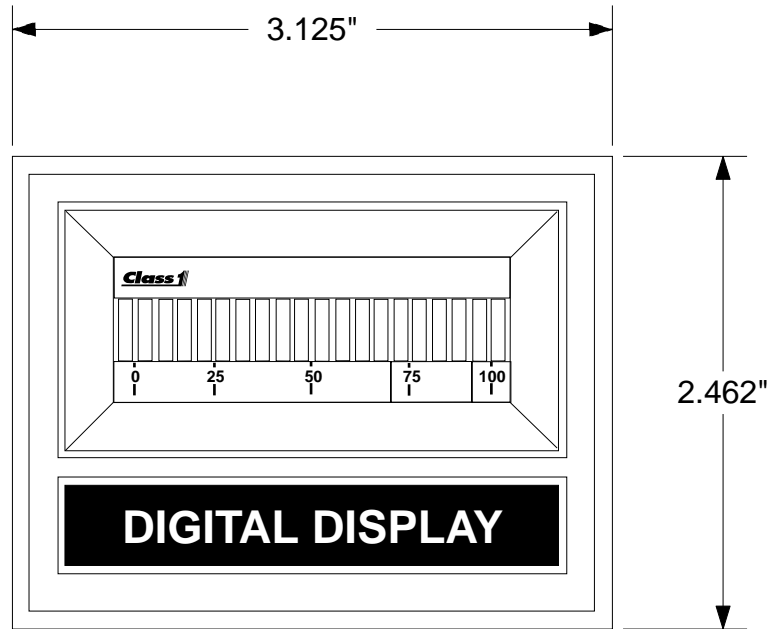
Name	Digital Aerial Warning Display	Engineering Standard Number C1-102342-A
Identifier	Installation Information	

Installation

The display mounts in a 2.84" by 1.51" cutout.
Overall area necessary for installation is 3.2" by 2.5".
Two 0.201d holes are provided for mounting screws.



Name	Digital Aerial Warning Display	Engineering Standard Number C1-102342-A
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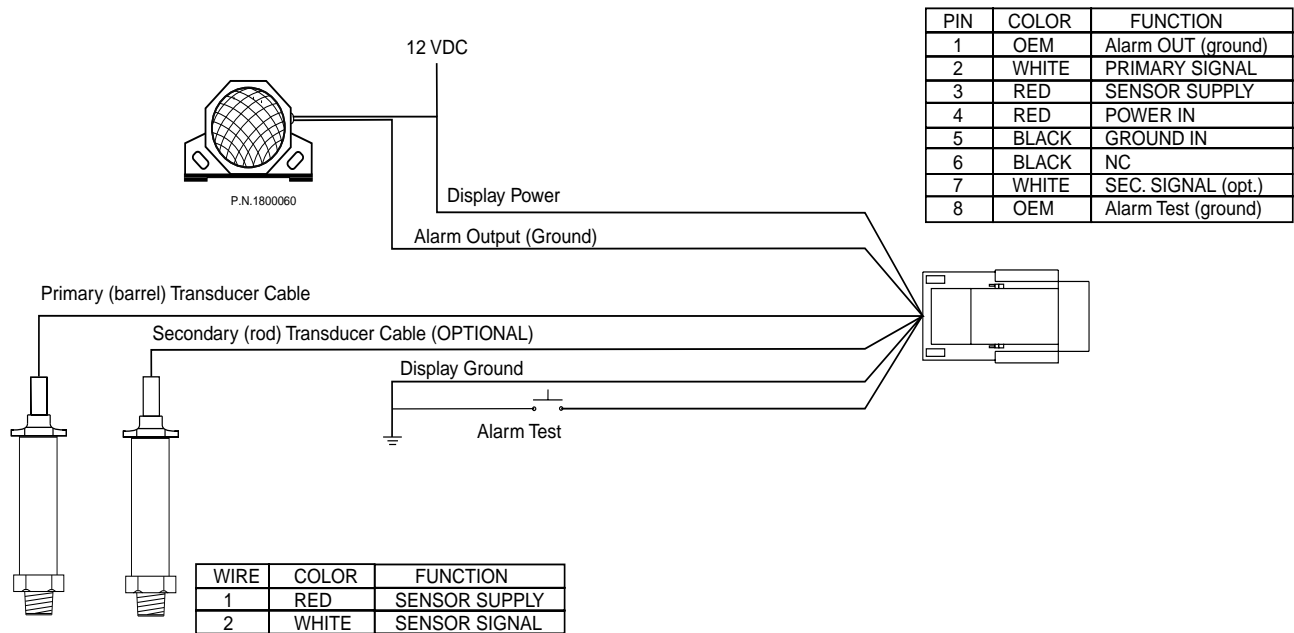


Name	Digital Aerial Warning Display	Engineering Standard Number C1-102342-A
Identifier	Installation Information	

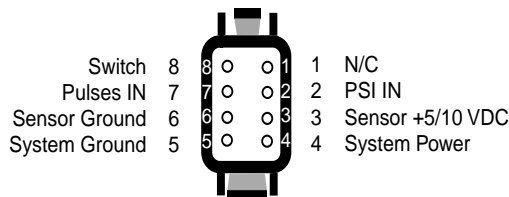
Electrical

The Aerial Warning Display is connected to the OEM harness with a Deutsch 8 pin mini-connector.

Mating Connector: DTM06-08S
 Locking Wedge WM-8S
 Mating Terminal: 0462-201-20141 20 gauge socket

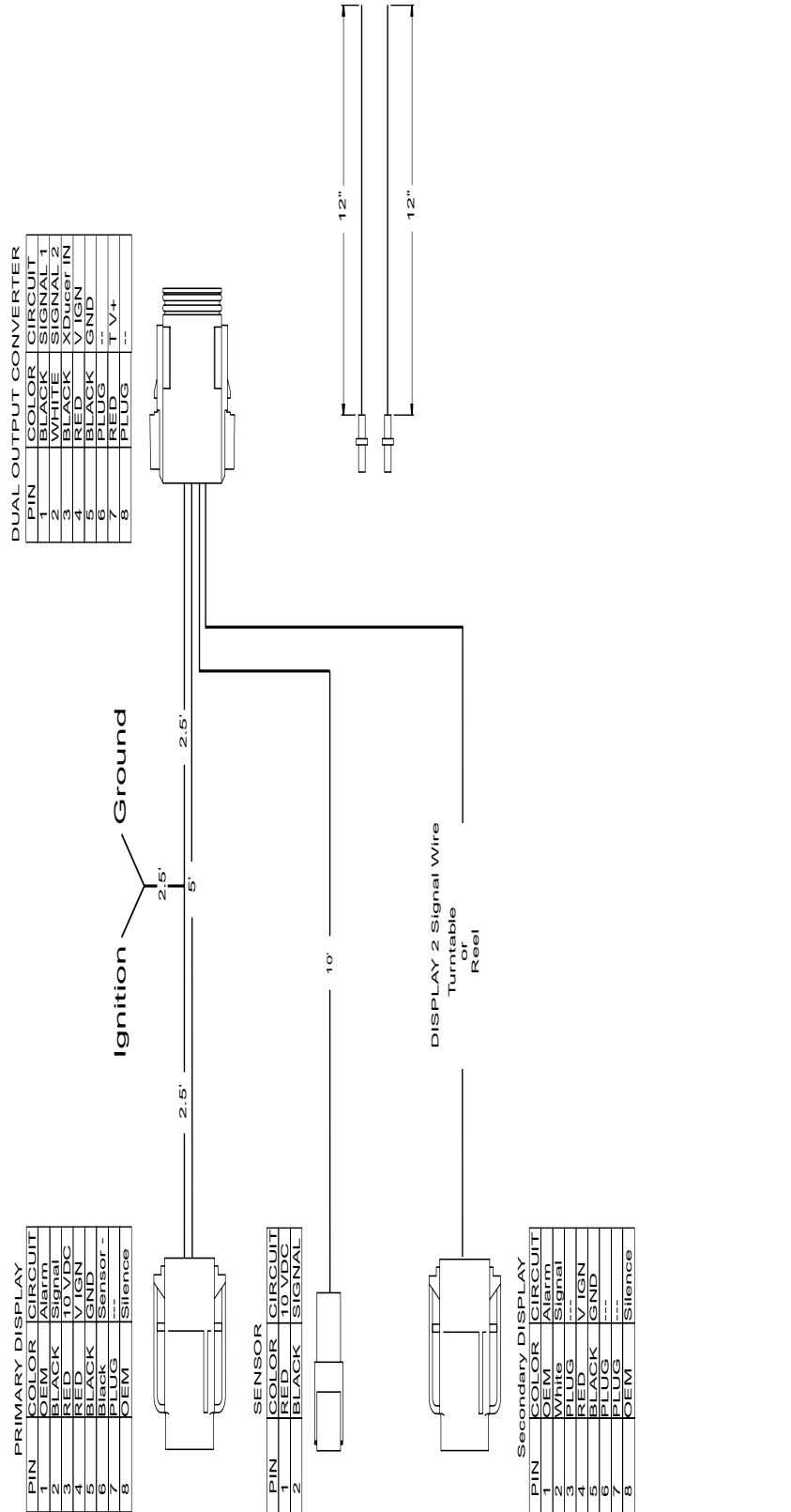


DTM06-08SA
0462-201-20141 20 Ga.



Wire Insertion View

Name	Digital Aerial Warning Display	Engineering Standard Number C1-102342-A
Identifier	Installation Information	



DUAL OUTPUT CONVERTER

PIN	COLOR	CIRCUIT
1	BLACK	SIGNAL 1
2	WHITE	SIGNAL 2
3	BLACK	X Ducer IN
4	BLACK	IGN
5	BLACK	GND
6	PLUG	---
7	RED	T.V.+
8	PLUG	---

PRIMARY DISPLAY

PIN	COLOR	CIRCUIT
1	OEM	Alarm
2	BLACK	Signal
3	RED	10 VDC
4	BLACK	GND
5	BLACK	Sensor -
6	PLUG	---
7	OEM	Silence
8	PLUG	---

SENSOR

PIN	COLOR	CIRCUIT
1	RED	10 VDC
2	BLACK	SIGNAL

Secondary DISPLAY

PIN	COLOR	CIRCUIT
1	OEM	Alarm
2	WHITE	Signal
3	PLUG	---
4	RED	V IGN
5	BLACK	GND
6	PLUG	---
7	PLUG	---
8	OEM	Silence

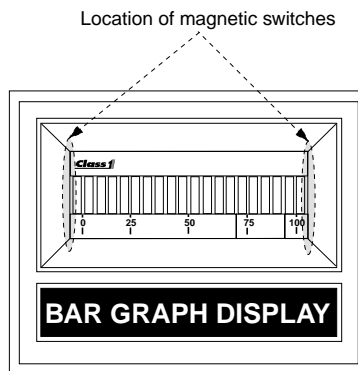
Dual Display Wiring

Name	Digital Aerial Warning Display	Engineering Standard Number C1-102342-A
Identifier	Installation Information	

Calibration for dual and single transducer installations:

Calibration for Gauges with bargraph displays

The calibration mode is entered by the use of a “password”. There are two magnetic switches, one located at each side of the display. These switches are activated with the use of a magnet. Switch activation is visually confirmed by the toggling of the closest bar on the display to the switch. If it is on it will turn off, if it is off it will turn on.



MINIMUM LOAD With the ladder retracted, just raised out of the cradle and no load placed on the device, enter the calibration password.

L L L R R R

The left (0%) bar will flash to indicate that you are ready to calibrate for the minimum load.

Activate the left switch followed by the right switch.

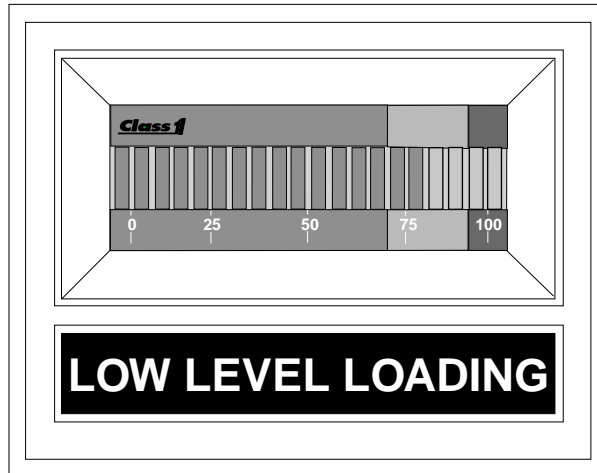
The right (100%) bar will flash to indicate that the display is ready to calculate for maximum load.

MAXIMUM LOAD With the ladder extended and maximum load placed at the end of the aerial device actuate the right switch and then the left switch.

Calibration is complete

NOTE: AERIAL MANUFACTURERS MUST ENSURE THAT THE LIFT CYLINDER(S) DO NOT BOTTOM OUT DURING OPERATIONS. THIS WOULD CAUSE AN ERRONEOUS HYDRAULIC PRESSURE READING AND THE WARNING SYSTEM WILL NOT OPERATE AS DESIGNED.

Name	Digital Aerial Warning Display	Engineering Standard Number C1-102342-A
Identifier	Installation Information	

Operation

The **Class 1** Aerial Loading Display is designed to warn aerial operators of dangerous loading conditions when an aerial device is operated at low angles of elevation. Live loads (factors that increase this load such as ice, occupants on the ladder, water load, extra equipment, etc.) are instantly taken into account by the system and displayed to the operator.

The display presents load information in an easy to interpret LED bar graph display as a percentage of maximum calibrated load and includes a visual and aural warnings.

When the aerial load approaches the maximum load (approx. 80%), 18 bars will be illuminated on the display. When the load is increased to 90%-100%, 19-20 bars will be displayed and the display will begin to flash, when the maximum load is exceeded by 50-100 pounds, an alarm output is activated that can be used to drive a variety of warning systems that can notify the operator of a potentially hazardous condition.

The alarm resets when the device comes out of an overload condition.

NOTE: THE DISPLAY PROVIDES A WARNING ONLY AND CANNOT PREVENT A TIPOVER. THE AERIAL DEVICE MUST BE OPERATED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND OPERATORS MUST BE THOROUGHLY TRAINED.

A test switch can be installed to test the alarm output. This function is only available when the unit is displaying less than 11 bars.