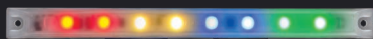

Gauges & Displays



Gauges & Displays



Intelli-Tank Level 40 **48**



CAN Strip Light **51**



Minder Series Kits **52**



Engine Information Centre **55**



Seat Belt Warning System **56**

Gauges & Displays

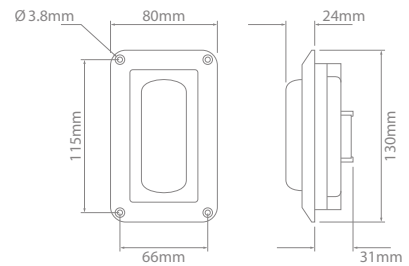
Intelli-Tank Level 40



9V 32V IP67 Made in North America

- Easy calibration (1 to 9 point) suitable for all tanks of any size or shape.
- Programmable output, typically used for auto-fill function, low/high tank level warning etc.
- CAN and one wire data link allows for unlimited optional remote displays.
- Ultra bright LEDs easily viewable from 180° to 9 tank levels.
- Custom scrolling text sequences on power up.
- Built-in self diagnostics displayed through scrolling text.
- Optional remote driver module used to control external lights, sirens etc concurrent to ITL display.
- Uses proven industrial pressure transducer.
- Multiple configurable features inbuilt, including LED dimming and anti-slosh function.
- Rocker switch sized Mini Remote Indicator available – see accessories.
- Made in North America.

Voltage : 9–32V
 Current Draw : 100mA @ 13.8V
 Output : Digital 250mA ground
 CAN : SAE J1939
 Construction : Polycarbonate
 Bezel : Die-cast Alloy
 Ingress Protection : IP67
 Operating Temperature : -40°C to 85°C



ITL-40 System Layout 1 – Simple Install

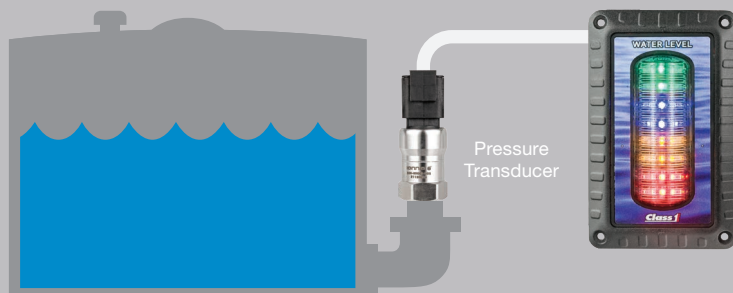


Illustration shows a typical tank monitoring system demonstrating the simplicity of installation and the use of the programmable output function.

Typically used for auto-fill function, low/high tank level warnings etc.



Gauges & Displays



ITLF-40R

Intelli-Tank Level 40 – Kits

Decal Text	Decal Colour	LED Colour				
		Green	Blue	Yellow	Red	Multi
“WATER LEVEL”	Blue	ITL-40G	ITL-40B	ITL-40Y	ITL-40R	ITL-40M
“FOAM LEVEL”	Red	ITLF-40G	ITLF-40B	ITLF-40Y	ITLF-40R	ITLF-40M
“CLASS A FOAM LEVEL”	Yellow	—	—	—	—	ITLF-40MYA
“CLASS B FOAM LEVEL”	Yellow	—	—	—	—	ITLF-40MYB

Kit contents:
 1 x ITL-40 Indicator
 1 x Indicator Decal
 1 x Harness – 3m (118485-10-DTM)
 1 x Pressure Transducer (200-00093-001)
 1 x Foam Adaptor (102219 Foam Kits only)

Multi-colour indicators feature 2 rows of Green, Blue, Yellow and Red LEDs from top to bottom.



112124

106743

107584

106877

107585

CONNKIT-ITL-DTM

Intelli-Tank Level 40 – Accessories

Part No.	Description
112124*	Mini Remote Indicator – 12–24V
106743	Mini Remote Indicator Decal – Blue “WATER LEVEL”
107584	Mini Remote Indicator Decal – Red “FOAM LEVEL”
106877	Driver Module 4 x 7.5A outputs – 12–24V
107585	Zero Pressure Vacuum Vent MNPT2”
CONNKIT-ITL-DTM	Connector kit. Suits ITL-40 transducer

* 112124 supplied with 1 x Water Decal, 1 x Foam Decal and 300mm harness.



Gauges & Displays



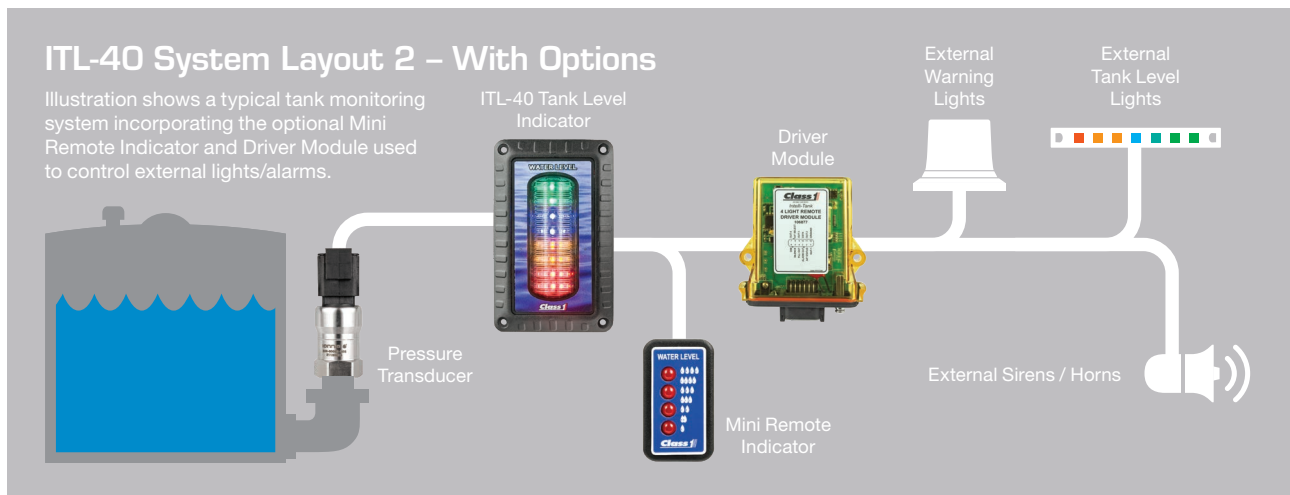
Fig 1

Intelli-Tank Level 40 – Individual Components

Part No.	Description	Fig
123340-01	LED Indicator, no decal – Red	1
123340-03	LED Indicator, no decal – Yellow	1
123340-04	LED Indicator, no decal – Green	1
123340-05	LED Indicator, no decal – Blue	1
123340-06	LED Indicator, no decal – Multi-colour	1
117690	Indicator decal – “WATER LEVEL” – Green	
117691	Indicator decal – “WATER LEVEL” – Blue	
117700	Indicator decal – “WATER LEVEL” – Orange	
117692	Indicator decal – “FOAM LEVEL” – Red	
117693	Indicator decal – “FOAM LEVEL” – Green	
117694	Indicator decal – “FOAM LEVEL” – Yellow	
117695	Indicator decal – “FOAM LEVEL” – Blue	
117696	Indicator decal – “CLASS A FOAM LEVEL” – Yellow	
117697	Indicator decal – “CLASS B FOAM LEVEL” – Yellow	
117698	Indicator decal – “CLASS B FOAM LEVEL” – Green	
117699	Indicator decal – “DIESEL” – Black	
200-00093-001	Pressure transducer 1/4" NPT – stainless steel	
200-00094-001	Pressure transducer 1/4" NPT – brass	
102219	Foam tank adaptor for pressure transducer	
118485-10-DTM	Harness – 3m	
118485-20-DTM	Harness – 6m	

Custom labels available upon request.

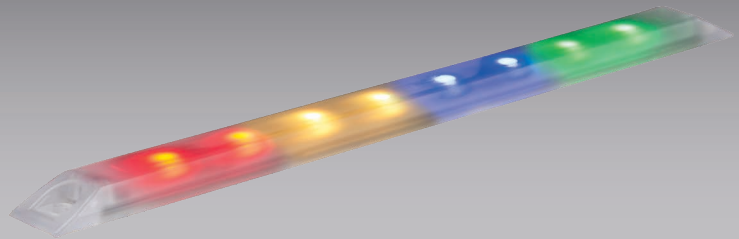
Other harness lengths available upon request.



- LEDs individually controlled via a CAN.
- Up to 7 colours including white.
- Ideal for syncing with load indicators, reversing sensors, and level displays.
- Dimming function.
- High output LEDs.
- Environmentally sealed.
- Multi-voltage.
- Polycarbonate construction.
- Frosted lens for diffused light.
- 2-year warranty.

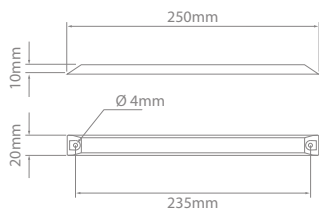
NEW

CAN Strip Light



Operational Voltage : 10–30V
 Lens : Polycarbonate
 Base : Aluminium
 Weight : 0.05kg
 Connector : 150mm Fly Lead
 Light Source : 8 x RGB LEDs
 Operating Temperature : -20°C to 60°C

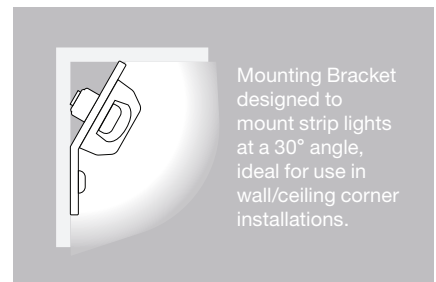
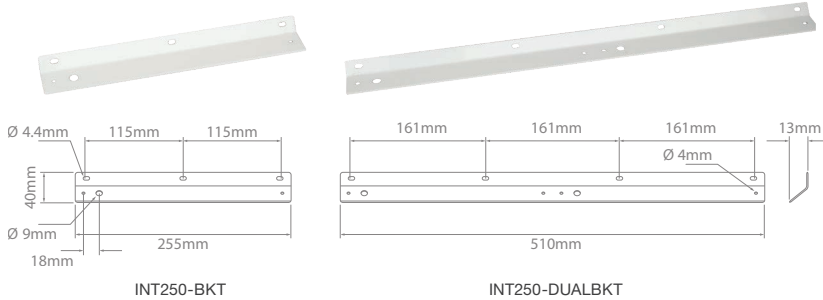
10V 30V 2Yrs



CAN Strip Light **NEW**

Part No.	Operational Voltage	No. of LEDs	Current Draw (mA) @ 12V
INT250CAN	10–30	8	100

Not recommended for mounting on synthetic surfaces.



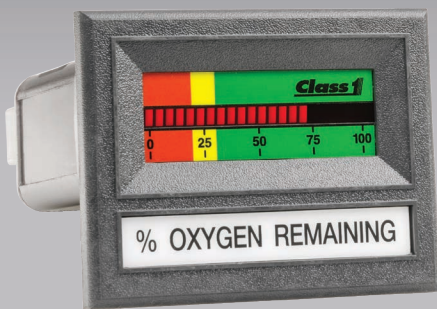
CAN Strip Light – Mounting Brackets **NEW**

Part No.	Description
INT250-BKT	Powder coated steel. Suits 1 x INT250CAN
INT250-DUALBKT	Powder coated steel. Suits 2 x INT250CAN



Gauges & Displays

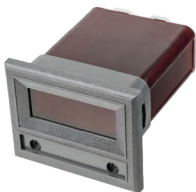
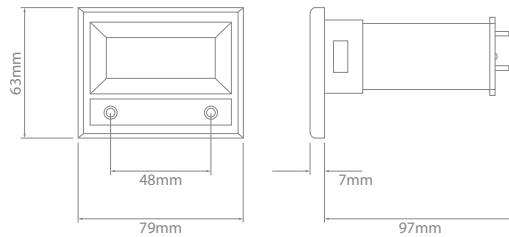
Minder Series Kits



- Super bright, easy to see display.
- 90dB warning buzzer included in selected models.
- Compact design.
- Silence button for audible alarm included.
- Environmentally sealed – IP67.
- Multi-voltage.
- Made in North America.

9V 32V IP67 Made in North America

Voltage : 9–32V
 Alarm Output Polarity : Negative
 Ingress Protection : IP67
 Operating Temperature : -40°C to 85°C



111667



103523



102161



102035



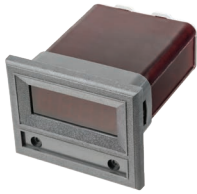
102008

Minder Series Kits – Pressure Gauge

Part No.	Description	Kit Contents
PSIS	Digital Pressure Gauge Kit	1 x Display (111667) 1 x Decal "PRESSURE" (103523) 1 x Transducer (102161) 1 x Harness – 3m (102035) 1 x Display Mounting Kit (102008)

The Pressure Gauge displays pressure or vacuum (kPa, PSI or BAR) in a numeric format.

Gauges & Displays



111663



103522



102714



102033



102008

Optional accessory
Flow Sensor
mounting boss

SFM



Minder Series Kits – Flowminder

Part No.	Description	Kit Contents
FMS	Flowminder Kit	1 x Display (111663) 1 x Decal "FLOWMINDER" (103522) 1 x Flow Sensor (102714) 1 x Harness – 3.1m (102033) 1 x Display Mounting Kit (102008)
SFM	Flow Sensor mounting boss	

Displays flow (litres per minute) in a numeric format.



111653



101995



102606



102088



100571



102671



102008

Minder Series Kits – Loadminder

Part No.	Description	Kit Contents
LMS	Loadminder Kit	1 x Display (111653) 1 x Decal "LOW LEVEL AERIAL LOADING" (101995) 1 x Pressure Transducer (102606) 1 x Silence Button (102088) 1 x Buzzer 90dB (100571) 1 x Harness – 3m (102671) 1 x Display Mounting Kit (102008)

Loadminders display the low-level load in a simple, easy-to-read LED bar style display that instantly adjusts as the ladder angle, extension or live load changes.

As the loading increases, so does the number of bars that are illuminated on the display. When the maximum low-level loading approaches (as determined by the aerial manufacturer and calibrated at the factory) the display will begin to flash.

A slight (25-50kg) additional load will cause the audible alarm to sound which alerts the operator to an overload condition.

- Display flashes when approaching maximum load
- Audible alarm when maximum reached
- Auxiliary output activates strobe (optional)



Gauges & Displays



Minder Series Kits – OxyMinder

Part No.	Description	Kit Contents
OMS	Oxygen Minder Kit	1 x Display (111654) 1 x Decal "% OXYGEN REMAINING" (101996) 1 x Pressure Transducer (102606) 1 x Silence Button (102088)
		1 x Buzzer 90dB (100571) 1 x Harness – 3m (102671) 1 x Display Mounting Kit (102008)

OxyMinder displays oxygen level in a simple, easy-to-read LED bar style display.

- Display flashes at 25% total air capacity
- Audible alarm sounds at 20% air capacity



Minder Series Kits – AirMinder

Part No.	Description	Kit Contents
AMS	Airminder Kit	1 x Display (111655) 1 x Decal "% AIR REMAINING" (101994) 1 x Pressure Transducer (102606) 1 x Silence Button (102088)
		1 x Buzzer 90dB (100571) 1 x Harness – 3m (102671) 1 x Display Mounting Kit (102008)

Airminders display breathing air level in a simple, easy-to-read LED bar style display.

- Display flashes at 25% total air capacity
- Audible alarm sounds at 20% air capacity
- Ideal for aerials, aerial platforms, air trucks and C.F.R. vehicles



Minder Series Kits – Spare Part

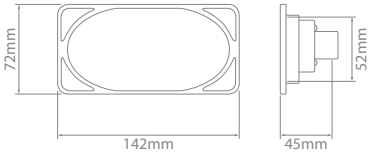
Part No.	Description	Suits
100944	Replacement display bezel	All Minder Series

- Engine RPM display.
- System voltage display & alarm.
- Engine oil pressure display & alarm.
- Engine temperature display & alarm.
- SAE J1587 & SAE J1939 compliant models.
- Super bright displays for maximum visibility in daylight.
- Output for external alarm (0.25A), input for alarm silencing.
- Environmentally sealed – IP67.
- Multi-voltage.
- Made in North America.



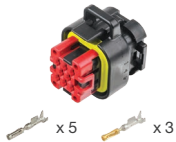
Voltage :	9–32V
Current Draw :	185mA @ 13.8V
Max Alarm Draw :	250mA
CAN :	SAE J1939
Construction :	Polycarbonate
Bezel :	Aluminium Alloy
Ingress Protection :	IP67
Operating Temperature :	-40°C to 85°C

Made in North America 9V 32V IP67



Engine Information Centre – IV

Part No.	Description
108661	Engine Information Centre IV



Engine Information Centre – Connection Kit

Part No.
CONNKIT-ENFOIV

Crimping tools can be found on page 116.



Gauges & Displays

Seat Belt Warning System



9V
32V

Made in North America

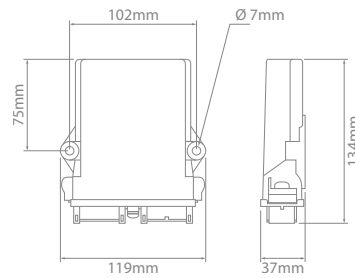
- Utilises SAE J1939 CAN standard to record NFPA required data.
- Large Seat Belt Warning System displays the status of up to 12 seats simultaneously.
- Display available in rocker size, can be integrated with Supernode.
- Input Module is environmentally sealed – IP67.
- Multi-voltage.
- Made in North America.

Voltage : 9–32V
 CAN : SAE J1939
 Construction : Polycarbonate
 Ingress Protection : Input Module IP67
 Operating Temperature : -40°C to 85°C

LED status indicators

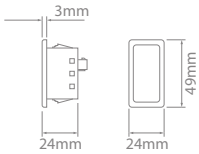
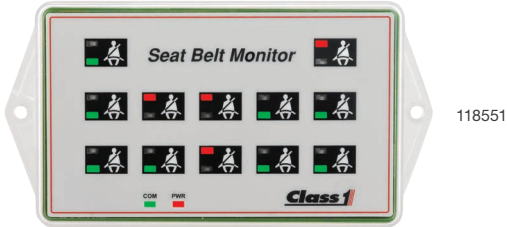
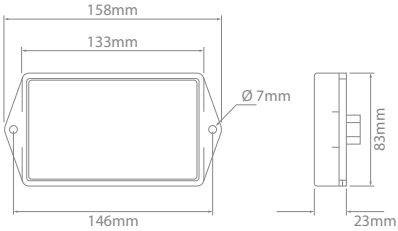


IP67



Seat Belt Warning System – Input Module

Part No. 118093
 Current Draw (mA) @ 13.8V 57



Indicates all occupied seats have seat belts engaged



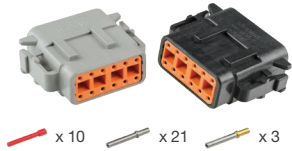
Each occupied seat without a seat belt engaged is momentarily displayed until all are engaged



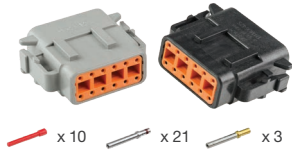
118620

Seat Belt Warning System – Displays

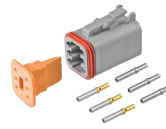
Part No.	Description	Current Draw (mA) @ 13.8V
118551	Large multi-seat belt display	75
118620	Small seat belt indicator	57



CONNKIT-IO



CONNKIT-IO-PB



CONNKIT-TWISTER

Seat Belt Warning System – Connector Kits

Part No.	Description	Suits
CONNKIT-IO	Connector Kit	Seat Belt Warning Input Module (118093)
CONNKIT-IO-PB	Connector Kit – Purple Band Socket	Seat Belt Warning Input Module (118093)
CONNKIT-TWISTER	Connector Kit	Large Seat Belt Display (118551)

Crimping tools can be found on page 117.



Emergency Services



Fire Appliances

Emergency

For decades Class 1 systems have been the backbone of the fire appliance and allied emergency services vehicle industry.

Adoption of Class 1 multiplexing has simplified and reduced the hardware components required for the electrical system and have also increased the range of possibilities of what can be controlled.

- Pump governing
- Fluid level monitoring
- Fluid flow control
- Lighting operation
- Switch operation
- Safety interlocking
- P.T.O.
- Light mast
- Warning indication
- Interface with OEM chassis
- Emergency lighting
- Inbuilt diagnostics
- Low voltage management



Ultraview Touch Series – UV800



Supernode III



Smart Touch Panels



HD PDM



PDMs



I/O Modules



Sentry Governor Kits



Twister



Intelli-Tank System

EMERGENCY
000