

# Actisense®

## A2K-TER-U

NMEA 2000® Smart Universal Micro Terminator



### Feature

- Acts as an intelligent diagnostic Terminator

- In-line Terminator

- Universal Terminator

- Built-in high accuracy voltage monitoring circuit which continuously monitors the bus voltage

- Supplied with blanking caps

- Ruggedised, flame retardant over-moulded housing

- Metal coupling nuts

### Advantage

- ✓ Provides instant feedback by use of LED as to the state of the NMEA 2000 bus

- ✓ No need for a "T" piece when an NMEA 2000 device needs to be operated at the end of a network segment

- ✓ Can be used as a female, male or in-line terminator

- ✓ The LED shows Green when power is connected and is of the correct polarity. It will illuminate Red if the bus voltage dips below the 9 volt minimum

- ✓ Seals the unused end when the terminator is not used as an in-line device

- ✓ Durable design, high (UL94 V-0) flammability rating and watertight to IP67

- ✓ Field proven durable nickel-plated brass M12 screw connection

### Benefit

- ✓ Makes checking the network quick and easy

- ✓ Allows for simple installation into compact areas such as mast heads

- ✓ By using one end only, the universal terminator can do everything you need - the only terminator required for any toolkit

- ✓ Very simple "at a glance" status checking

- ✓ If used on one end only, it stops moisture affecting the electrical circuits

- ✓ Suitable for wet and harsh environments highly desirable in marine

- ✓ Reliable, long lasting connections

## A2K-TER-U

GEEK MODE ON



### NMEA 2000® Smart Universal Micro Terminator



The ideal solution for accurately monitoring the voltage at the end of an NMEA 2000 network

The TER-U acts as an intelligent diagnostic terminator which provides instant feedback as to the state of the NMEA 2000 bus onboard. It is also a universal terminator which can be used as an in-line terminator or as either a Male or Female terminator, as it comes supplied with blanking caps.

It has a built-in, high accuracy voltage monitoring circuit which continuously checks the bus voltage, and controls its internal LEDs based on the bus voltage level and its polarity. When it detects that the voltage is within the minimum required range, it will indicate 'GREEN' immediately, providing continuous valuable feedback as to the state of the bus.

If the voltage falls below the minimum required level of 9.0V, then the LED's will illuminate 'RED' showing there is a potential problem with the NMEA 2000 bus power. Similarly, if the LED's do not illuminate at all, this would indicate that there was no power or that the polarity was incorrect.

Part Number: A2K-TER-U

Electrical	
Rated Current	4A
Rated Voltage	36VDC
Terminator Resistance	120Ω 1%
Features	
Green LED	NET-S $\geq 9.05V \pm 1\%$
Red LED	NET-S $< 9.05V \pm 1\%$
Mechanical	
Male Contact	Phosphor bronze, gold plated
Female Contact	Phosphor bronze, gold plated
Male Contact Carrier	PBT, black
Female Contact Carrier	PBT, black
Male Contact Polarisation	Standard M12 -"A"- polarisation
Female Contact Polarisation	Standard M12 -"A"- polarisation
Male Mating Thread	M12
Female Mating Thread	M12
Male Screw Cap	Brass, nickel plated
Female Screw Cap	Brass, nickel plated
Housing	PVC, black translucent
Weight	23.6g
Flammability Rating	UL94 V0
Approvals and Certifications	
Protection	IP67 (when mated)
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
NMEA 2000 Approved	
RoHS Compliant	