THE UMB-MODULES

Common features of all UMB modules

- Galvanic isolation between sensor supply and communication
- Host communication via RS232 (PC / GPRS-modem), RS485 (EAK)
- Small housing with top hat rail mounting and bus-connection
- Firmware update via RS232
- Common power supply (24V) for UMB modules and (heated) sensors
- Online data-transfer (no memory)
- Network with up to 32 modules

ISOCON-UMB communication module for all UMB sensors

- Communication-watchdog for reliable sensor function (reset)
- Overvoltage protection for all interfaces
- LED indication for operation mode

ANACON-UMB 2-channel universal transmitter

2 analog inputs, 24-bit-resolution for voltage, current and resistance
LED indication for operation mode for following Lufft-sensors:

- Temperature / humidity sensor
- Combined wind / air pressure sensor
- Ultrasonic wind sensor 4...20mA
- Precipitation gauge (tipping bucket)

Other inputs:
Digital signals (e.g. door contact)

IRS21CON-UMB communication module for Lufft road sensor IRS21

- Converts the IRS21 protocol into UMB protocol
- controls the galvanically isolated power supply for IRS21
- overvoltage protection for all interfaces
- LED indication for operation mode

Technical Data	Order No.
ISOCON-UMB	8160.UISO
ANACON-UMB	8160.UANA
IRS21CON-UMB	8410.UISO
Operating conditions	
Power supply	12...26VDC
Power consumption	<100 mA
Ambient temperature	-30°C ... +60°C
Relative Humidity	<95% RH
Protection type	IP20
Module width	23mm
RS232 connector	DSUB9
Sensor connector	Screw type
Storage conditions	
Ambient temperature	-40°C ...+70°C
Relative Humidity	<95% RH
Accessories	**Order No.**
Power supply 230VAC/24VDC (100VA)	8366.USV1
GPRS/GSM modem with camera connection	8160.MOD-VIOLA

Compact design
Easy commissioning
RS232 or RS485 data transfer
Easy software updates
Free configuration software

es&s AUSTRALIAN DISTRIBUTOR
Environmental Systems & Services | 8 River Street, Richmond VIC 3121 Australia |
T + 61 3 8420 8999 | F + 61 3 8420 8900 | environmental@esands.com | www.esands.com