

Certification Standards: -

IEC 62616: 2010 & MSC.128(75) Germanischer Lloyd & MED Wheelmark

BNWAS Input / Output Specifications

Inputs: -			Outputs: -			
Type	Supply Voltage	Power	DB Alarms & CU Status Displays			
BNWAS DIST. UNIT (DB)	Primary 24Vdc (18-40Vdc)	3.2W to 4.5W (max illum) + optional equipment	Bridge Visual (15 secs)	LED + volt free N/O contact rated 5A @ 30Vdc/220VAC		
	Backup 24Vdc (18-40Vdc)			Bridge Audible (15 secs)	LED + volt free N/O contact rated 5A @ 30Vdc/220VAC	
	OR		Officer Call (90 - 180 secs)		LED + volt free N/O contact rated 5A @ 30Vdc/220VAC	
	115/230VAC 50/60Hz Backup 24Vdc (18-40Vdc)			Crew Call (Until Reset)		LED + volt free N/O contact rated 5A @ 30Vdc/220VAC
Optional Internal DB Batteries also available			Main Power Fail	Status LED	Volt free N/O contact rated 5A @ 30Vdc/220 VAC for ext. console malfunction alarm	
Auto (Remote) Activation via DB			2nd Power Fail	Status LED		
Two Opto isolated input types: -			Internal Battery Fail	Status LED		
NMEA sentence \$XXHTD	Installation selectable for 4800 or 38,400 baud		Computer Fail	Status LED		
Analogue Voltage 4-40Vdc	Installation selectable switchline polarity		Tamper	Status LED	To external Fail Alarm	
Operator Controls			Complete Power Fail	Volt free S/P C/O contact		
Time	3 to 12 minutes selectable in 1 min increments	Keyswitch security protected	Intruder Alarm	LED + volt free C/O contact rated 5A @ 30Vdc/220VAC	To external Alarm as required	
Work Mode	Selectable 'ON', 'OFF' or 'AUTO' Mode		Keypad	Reset (Remote Unit)		
Back Up Officer Call	Selectable 1st / 2nd etc. or "ALL"	Pushbutton		Cancels alarms / Restarts timing / Adjusts Remote unit illumination level		
Illum	Variable Red LED Backlight		Protected pushbutton + 2 Remotes	NT990 BNWAS DB Input / Output Interface Ports		
Reset	Cancels all alarms and resets timing cycles	Pushbutton + PIRs		3 x Opto Isolated IEC 61162 Serial Data Installation Selectable for 4800/38400 baud.		
Emergency Call	Summons immediate Officer assistance		CH1 \$xxEVE, \$xxALR, \$xxACK			\$BNALR, \$BNACK
			CH2 \$xxEVE, \$xxALR			\$BNALR, \$BNACK
			CH3 \$xxEVE			
			1 x "Auto" ON Opto Isolated (4-40Vdc) Input			
			1 x "Auto" ON Serial Data (\$xxHTD) Input			1 x Voltfree Changeover Relay Contact (1A 240Vac/30Vdc) Malfunction Alarm
			2 x Reset Inputs From Proprietary Equipment (Analogue 4-40Vdc)			
			1 x Emergency Call Input From Proprietary Equipment (4-40Vdc) at required location			
			Movement (PIR) Detectors			Operating Temperature Range
			2 x Analogue Navitron Reset Inputs (Maximum 6 x NT990 BNWAS RST)			-15 to +55°C
			Mechanical			
	Dimensions (mm)	Weight	Compass Safe Distance (CSD)			
Display Unit	192 x 144 x 75 (depth)	1.1.0Kg	0.5m			
Distrib. Unit	250 x 250 x 101 (depth)	4.0Kg	0.5m			
Rem. Reset	58 x 64 x 35 (depth)	0.2Kg	0.2m			
Bridge Visual (BVA)	93 dia x 65 (depth)	0.15Kg	0.1m			
Cabin Sounders (CA/MCA)	90 x 115 x 55 (depth)	0.5Kg	0.1m			
Switch Unit (ADU)	300 x 150 x 120 (depth)	3.1Kg	0.25m			
100dB Sounder (AU1 AC/DC)	86 x 86 x 64.5 (depth)	0.25Kg	0.1m			
112dB Sounder (AU2 AC/DC)	130 x 130 x 133.5 (depth)	0.75Kg	0.1m			
Movement Detector (PIR)	60 x 106 x 46.5 (depth)	0.15Kg	0.1m			