

RADIX TACTILE

DIGITAL ROTATING INDICATOR

AGD

PRODUCT SOLUTIONS FOR
INTELLIGENT TRAFFIC SYSTEMS

Radix Tactile Indicators for
the Visually Impaired

Datasheet-
MS-240-620



Ensuring the most vulnerable
pedestrians are able to safely
cross the road

The new Radix digital tactile indicator solution for the visually impaired is specifically designed for use at pedestrian crossings at signalled traffic control installations.

Approved to TOPAS 2508C, high unit reliability and robustness in an on-street environment are delivered with a long life brushless motor equipped with intelligent restart.



Traffic & Pedestrian Control



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THE
TRAFFIC
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Radix Tactile Indicators for the Visually Impaired

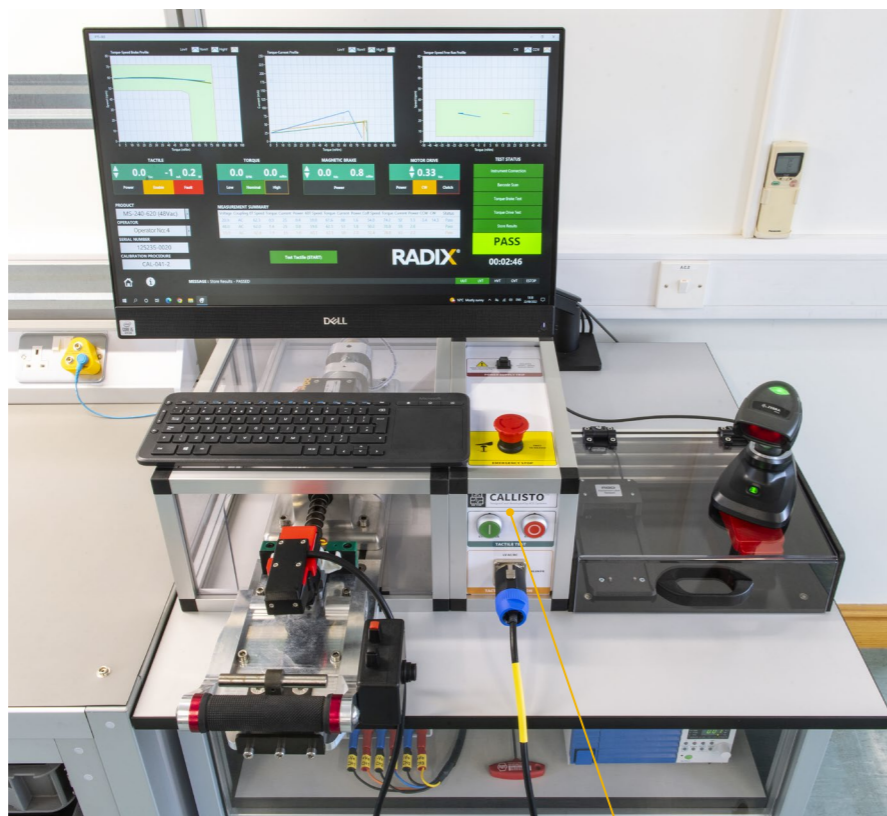
Compact in design, this low power tactile indicator is easily pre-installed to both the AGD range of Nearside and Wait Indicators and other approved industry pedestrian signals for both permanent and temporary/portable signal control (12V version).



Product Testing for Increased Durability in the Field



The new digital MS-240 series demonstrates continued product innovation and investment in Radix tactiles assembled and tested at our world class carbon neutral manufacturing facility in Cheltenham.



Speed and torque are tested against TOPAS specifications over the full supply voltage range.



Type Cone B for a more tactile experience

Cone B has been developed in conjunction with charities to further assist those with reduced sensation in their fingers due to its enhanced shape.



Applications

Features

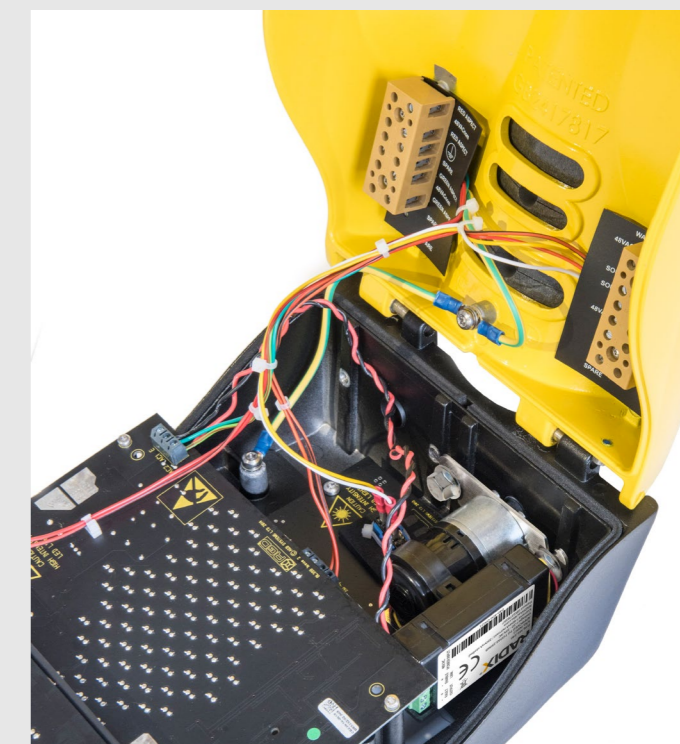
- Long life Brushless DC Motor
- Intelligent Restart Function
- Extra-low power consumption
- ELV: 20 to 55V ac - (temporary/portable - ELV: 10.8 to 14V dc)
- Universal Bracket
- Fits to approved nearside signals and wait indicators
- Fully CE compliant
- Alternative tactile cone types A or B on request
- Patent No. GB2379287

Demonstration of a Tactile Installation into an AGD946 Nearside unit

Ensure power to the near side signal is turned **OFF** prior to installing the tactile.

1. Push out blanking plug and loosely insert bolts
2. Place 'O' Ring over cone and insert tactile at angle and locate onto bolts
3. Rotate tactile under bolts and tighten
4. Connect tactile wiring as per instructions
5. Finally twist control box to the left so it sits out of the way, close nearside unit

Please refer to latest product manual for full installation instructions.



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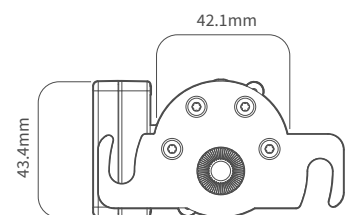
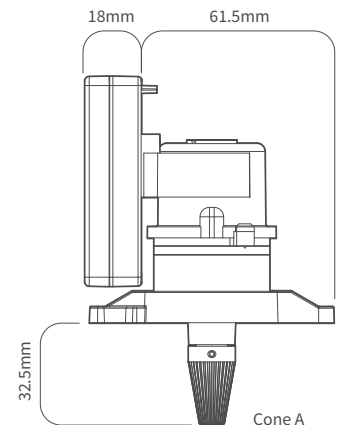
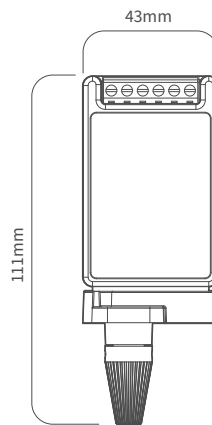
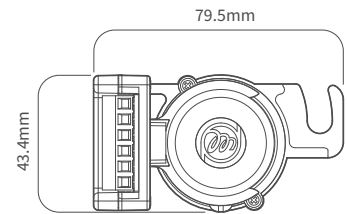
Technical Data

SPECIFICATIONS	
Description	Low Power Tactile Indicator
Technology	Brushless DC Motor
Rotation Speed	60rpm \pm 5% (reverse torque \leq 0.06Nm)
Stopping Torque	In the range 0.06 to 0.08Nm
Unpowered Spin Torque	\leq 0.04Nm
Supply Voltage (48V ac)	20V to 55V ac
Current (48V ac)	40mA normal operation 100mA stalled (max)
Supply Voltage (12V dc)	10.8V to 14V dc
Current (12V dc)	25mA normal operation 200mA stalled (max)
Operating Temperature	-15 to +60°C
Housing Material	
Interface Enable Input	Link to Enable
Isolated Fault Output	60V dc maximum at 10mA
Dimensions	Height: 111mm Depth: 79mm Width: 43mm
Complies with	TOPAS 2508C
Patents	No. GB2379287

Owing to the Company's policy of continuous improvement, AGD Systems Limited reserves the right to change their specification or design without notice.



Dimensions



Product Numbers:

48V ac	Cone A	MS-240-620A
48V ac	Cone B	MS-240-621B
12V dc	Cone A	MS-240-610A
12V dc	Cone B	MS-240-611B



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AGD Systems Limited White Lion House, Gloucester Road, Cheltenham, GL51 0TF, UK
Tel: +44 (0) 1452 854212 Email: info@agd-systems.com Web: agd-systems.com

THE TRAFFIC GROUP
traffic.group