

Data Sheet

# UE EXCELA



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Call us on +44 (0)118 916 9420 | Email [info@247able.com](mailto:info@247able.com)



# AFFORDABLE UPGRADE? IT DOES EXIST

Discover Excela™  
The easy-to-install electronic switch.



## UE Excela™

Excela is the first switch of its kind. Designed to give plant operators an affordable way to upgrade to electronic performance, Excela has only two wires, so it can be easily dropped into existing mechanical switch infrastructure. Available in pressure, differential pressure, and temperature switch models, this innovative, high-quality electronic switch delivers everything operators need for better performance at an affordable price:

- **Two wire design** allows for easy integration and lower initial costs
- **Simple programming and precision settings** for better operational control and performance
- **LCD display and red/green LED indicator lights** provide visual status of operational performance
- **Rugged, solid state design** delivers reliable performance, low maintenance, and lower cost of ownership

#### Registered Address

ABLE Instruments & Controls Ltd  
Cutbush Park, Danehill, Lower Earley,  
Reading, Berkshire, RG6 4UT. UK.

#### Phone

+44 (0)118 9311188

#### Email

info@able.co.uk

#### Web

able.co.uk

#### E-commerce

247able.com



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## UE Excela™

What makes the Excela switch different? It installs like a mechanical switch – with only two wires – and it delivers the performance of an electronic switch, with an LCD display and LED indicator lights so you know it’s working. In short, Excela is the only way to upgrade performance easily and affordably.

### Excela Electronic Switch Specifications

<b>Power Input</b>	Digital input from PLC, DCS or I/O cards, 8 to 50 VDC @ up to 0.1 Amp
<b>Accuracy</b>	0.5% of full range span, at room temperature
<b>Operating Ambient Temperature Range</b>	-40°C to 71°C (-40°F to 160°F)
<b>Enclosure</b>	Type 4X / IP66 certified epoxy coated aluminum alloy 360
<b>Electrical Conduit</b>	Gasketed 304 st/st 1/2" NPT (female) on the left with interchangeable plug on the right side
<b>Display</b>	4 digit x 12.7 mm (0.5") LCD provides the following information: Units of measure Switch status - Green & Red LED flashing status light
<b>Set Points (Rise &amp; Fall)</b>	Fully programmable over the sensor’s entire range
<b>SENSORS</b>	
<b>Gauge Pressure</b>	316L st/st wetted parts, welded diaphragm, 1/2" NPT (female) process connection Adjustable Ranges: -1 bar to 414 bar (full vacuum to 6000 psi)
<b>Differential Pressure</b>	316L st/st wetted parts, welded diaphragm, 1/4" NPT (male) process connections Adjustable Ranges: 0 to 13.8 bar (0 to 200 psid)
<b>Temperature</b>	316L st/st 6.4 mm (0.25") OD sheath containing a 100 ohm 4-wire platinum RTD element Adjustable Ranges: -184°C to 538°C (-300°F to 1000°F)

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