

4B level indicators
are unsurpassed
in quality
and performance.

Manufactured to ISO9001
quality standards, level indicators
also carry 3rd party approvals
for USA, Canada and Europe.



IECEX RoHS



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www.go4b.com



Binswitch

A popular range of capacitance proxy level/plug detectors for detecting dry bulk granular material level in bins, silos, hoppers and chutes. This simple but robust point level indicator has no moving parts, is self-contained with all potted electronics, and can be used in areas of high vibration. The units are simple to install on the sides or tops of steel bins/hoppers and are small enough to be used as plug detectors in discharge chutes.



Shown with extension

Model	Programmable Binswitch	Standard Binswitch	2-Wire Binswitch
Description	Capacitance proxy sensor with programmable features	Capacitance proxy sensor shown with BAS mount, conduit adapter and conduit elbow	Capacitance proxy sensor shown with conduit adapter, extension, mounting plate and wiring box
Features	<ul style="list-style-type: none"> User adjustable sensitivity LED status lights Internal timer Failsafe relay adjustable for high or low level Fully potted electronics 6-foot cable 	<ul style="list-style-type: none"> User adjustable sensitivity LED status lights Fully potted electronics 6-foot cable 2-wire device Relay contact output 	<ul style="list-style-type: none"> User adjustable sensitivity LED status lights Fully potted electronics 6-foot cable 2-wire device
Style	30mm cylindrical	30mm cylindrical	30mm cylindrical
Supply Voltage	24 to 240 VAC 12 to 240 VDC (universal supply)	120/240 VAC - must specify 12 VDC - must specify 24 VDC - must specify	24 to 240 VAC 12 to 240 VDC (universal supply)
Output	1 set of voltage-free changeover relay contacts	1 set of voltage-free changeover relay contacts	2-wire output with maximum load of 200mA
Approvals	US and Canadian Class 2 Div. 1 E, F, G Europe - CE, Atex IECEX (available)	US and Canadian Class 2 Div. 1 E, F, G Europe - CE, Atex IECEX (available)	US and Canadian Class 2 Div. 1 E, F, G Europe - CE, Atex IECEX (available)
Applications	Dry free flowing material level detection in bins, silos, hoppers and chutes.	Dry free flowing material level detection in bins, silos, hoppers and chutes.	Dry free flowing material level detection in bins, silos, hoppers and chutes.

4B Has It All

Elevator buckets and bolts
Forged conveyor chain
Belting
Speedswitches
Hazard monitors
And more!

When it comes to supplying you with virtually any material handling component, 4B has it.

Our complete line of components and extensive inventory mean speedy turnaround on your orders.

When necessary, our engineering and systems experts can provide you with the utmost in professional assistance. Sound advice, too.

And in case you haven't heard, 4B quality speaks for itself.

Any more questions?
Call us, write us or visit us on the web.



TECHNOLOGY • INNOVATION • QUALITY • VALUE

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Level Indicators



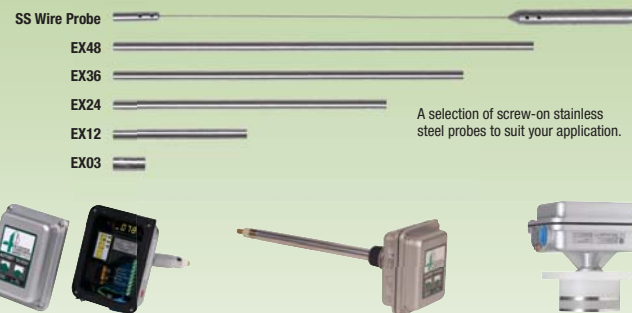
A complete line of indicators and accessories
designed for all your level monitoring requirements.

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Autoset

A user friendly, reliable point level indicator for bulk granular solids, powders and liquids. Digital display, push-button calibration and material build-up compensator make this unit the elite point level sensor.



A selection of screw-on stainless steel probes to suit your application.

Model	ATS7	ATS7 With Extended Power Shield	ATS7 Flush Probe
Description	RF capacitance point level indicator	RF capacitance point level indicator for thick-walled silos	RF capacitance heavy-duty plugswitch
Features	<ul style="list-style-type: none"> • Push button calibration • Digital display • Internal timer • Automatic material build-up compensator • Attachable SS probes 	<ul style="list-style-type: none"> • Push button calibration • Digital display • Internal timer • Automatic material build-up compensator, 12 or 16 inches long • Attachable SS probes 	<ul style="list-style-type: none"> • Push button calibration • Digital display • Internal timer • Automatic material build-up compensator • No moving parts
Style	1 1/4-inch NPT mounting	1 1/4-inch NPT mounting	4-inch diameter probe with integral mount
Supply Voltage	120/240 VAC 24 VDC (universal supply)	120/240 VAC 24 VDC (universal supply)	120/240 VAC 24 VDC (universal supply)
Output	1 set of voltage-free changeover relay contacts	1 set of voltage-free changeover relay contacts	1 set of voltage-free changeover relay contacts
Approvals	US and Canadian Class 2 Div. 1 E, F, G Europe – CE, ATEX IECEX (available)	US and Canadian Class 2 Div. 1 E, F, G Europe – CE, ATEX IECEX (available)	US and Canadian Class 2 Div. 1 E, F, G Europe – CE, ATEX IECEX (available)
Applications	Material point level indication in silos, bins and other vessels. Plug condition in chutes and discharges.	Material point level indication in thick-walled concrete silos.	Plugswitch for conveyors and bucket elevators.

Autoset Remote

A user friendly, reliable point level indicator for bulk granular solids or powders where there is high vibration and/or temperature involved. Remote electronic display/control unit allows for remote calibration/set-up away from vibration or heat.



Autoset Remote Probe	Autoset Remote Control
Polyprop probe – 248° F (120° C) PEEK probe – 487° F (250° C)	Remote control unit with digital display and calibration push buttons
<ul style="list-style-type: none"> • No moving parts • No electronic components • Automatic material build-up compensator • Attachable SS probes 	<ul style="list-style-type: none"> • Push button calibration • Digital display • Internal timer • DIN rail mountable
1 1/4-inch NPT mounting thread	DIN rail mountable enclosure
From control unit	120/240 VAC 24 VDC (universal supply)
To control unit	1 set of voltage-free changeover relay contacts
Europe – CE Atex, IECEX (available)	Europe – CE Atex, IECEX (available)
Material point level indication in surge bins, vibratory feeders, high temperature processes.	Material point level indication in surge bins, vibratory feeders, high temperature processes.

TiltSwitch

A simple high position point level indicator with housing and tilt "POD." Cable length is adjustable to 33 ft. (10 m).



TST Tiltswitch
Simple tilt level indicator with relay output and timer
<ul style="list-style-type: none"> • Control unit housing • Changeover relay contact • Internal timer • Adjustable cable length • Chain attachment loops • 15° tilt angle operation
Control unit with 1 1/4-inch mounting thread and external tilt "POD"
120/240 VAC 24 VDC (universal supply)
1 set of voltage-free changeover relay contacts
Europe – CE Atex
High or intermediate point level indicator for free flowing bulk granular materials.

Roto-Level Indicators

Rotary level indicators for point level indication of bulk granular materials in bins and silos. These electro-mechanical rotary units are simple to use and reliable. The Roto-Safe incorporates a sensor to detect that the paddle is rotating for failsafe monitoring. The Roto-Switch has an electronic circuit and power fail alarm relay. The RLI is the original basic low cost rotary level indicator with quality Swiss-made motor and gearbox.



Shown with vertical extension

Roto-Safe	Roto-Switch	RLI
Failsafe rotary level indicator	General purpose rotary level indicator	Low-cost rotary level indicator
<ul style="list-style-type: none"> • Failsafe paddle rotation detection • Glass-fiber reinforced nylon housing • Vertical extensions to 12 feet are available • Internal sensitivity adjustment • Adjustable timer • Automatic power shut-off • Dust hazard approved 	<ul style="list-style-type: none"> • Glass-fiber reinforced nylon housing • Vertical extensions to 12 feet are available • Power fail alarm • Automatic power shut-off • Relay contact output • Heavy-duty version available 	<ul style="list-style-type: none"> • Glass-fiber reinforced nylon housing • Vertical extensions to 12 feet are available • Automatic power shut-off • Limit switch contact output • Heavy-duty version available
Rotary level indicator with 1 1/4-inch NPT mounting thread	Rotary level indicator with 1 1/4-inch NPT mounting thread	Rotary level indicator with 1 1/4-inch NPT mounting thread
120/240 VAC 24 VDC (universal supply)	120/240 VAC (universal supply)	120 VAC - must specify 240 VAC - must specify 12 VDC - must specify 24 VDC - must specify
1 set of voltage-free changeover relay contacts	1 set of voltage-free changeover relay contacts	1 set of voltage-free changeover relay contacts
US and Canadian Class 2 Div. 1 E, F, G Europe – CE Atex, IECEX (available)	Europe – CE	Europe – CE
Material point level indication in bins, silos, hoppers and other vessels where failsafe detection is required, or for dust hazard areas.	Material point level indication in bins, silos, hoppers and other vessels.	Material point level indication in bins, silos, hoppers and other vessels.

ACCESSORIES

X400 Elite AlarmSwitch

Alarm panel with 8 multi-voltage inputs and alarm indication LED's for use with any type of level indicator.



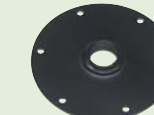
Rotary Level Paddles

Complete range of stainless steel paddles for Roto-Level Indicators.



Mounting Plate

Powder-coated mild steel mounting plates with 1 1/4-inch NPT half or full coupling. Use with Autoset, Tiltswitch, Roto-Level Indicators and Binswitches with adapters. (Also available in stainless steel.)



BMPA Mount

Urethane compression fitting mount for use with Binswitch. 1 1/4-inch NPT external thread.



BAS Mount

Urethane abrasion shield/mount for use with Binswitch in high-abrasion applications or as a well for liquid tanks.



Clamp Mount

HDP clamp style mount for use with the Binswitch.



Conduit Adapter

Anodized aluminum 30mm to 3/4-inch NPT adapter for use with the Binswitch.



Gland Mount

Plastic gland mount for use with the Binswitch.



Conduit Elbow

Steel conduit elbow for use with the Binswitch.

