



Model Numbering System

CC Level - Vertical Mount Level Switches and Transmitters



- L** = Large Float - 316SS, 12.7mm stem (S4 - spherical, 52mm dia, min 0.55 sg)
- L2** = Large Float - 316SS, 12.7mm stem (S3 - cylindrical, 45mm dia x 55mm, min 0.65 sg)
- S** = Small Float - 316SS, 8mm stem (S1 - cylindrical 29mm dia x 29mm, min 0.8 sg)
- SP** = Small Float - Buna N; exposed magnet & brass collars (NBR - cyl 18.5mm dia x 26mm, min 0.5 sg)
- T** = Large Float - 316SS, 12.7mm stem (S3 - cylindrical, 45mm dia x 55mm, min 0.65 sg)

- Min between switches = 75mm
- Min between switches = 78mm
- Min between switches = 50mm
- Min between switches = 50mm
- Level Transmitter, single float only; 4 - 20mA output

- 1** = # of Switches
- 2** = # of Switches
- 3** = # of Switches
- 4** = # of Switches
- 5** = # of Switches

- FL** = Flying Leads; 1m PVC standard; longer & PTFE available on request.
- DIN15** = Mini DIN 43650A 15mm plug & base; IP65
- DIN25** = DIN 43650A 25mm plug & base; IP65
- JB-PPL** = Junction box, Polypropylene large, M20 cable entry; IP65
- JB-BLL** = Junction box, glass reinforced Bakelite, large, M20 cable entry, IP65
- JB-ALM** = Junction box, aluminium, medium, M20 cable entry; < 32V only; IP65

IMPORTANT NOTES:

SPST switches: standard, 500mA (resistive) 32V AC/DC.

Each to be specified as NC or NO - when tank empty.

Optional: *

- * **C:** Common wiring:
 - single supply to all switches:
 - optional for 1 - 3 floats
 - standard for 4+ floats
- * **250:** line voltage (250V) wiring
- * **D:** SPDT (Changeover) switches 250mA @ 32V max only
- * **MA xx:** 4-20mA analogue output
 - specify (xx) 10 or 18mm resolution
 - loop powered
- * **P:** powder fill stem (high vibration applications)

Small junction boxes cannot be used for 250V or units with 3 or more switches.

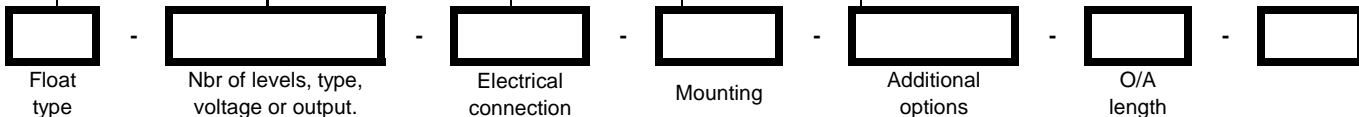
- JB-ALL** = Junction box, aluminium, large, with earth screw & cover lock for line voltage. M20 cable entry; IP65
- JB-SSM** = Junction box, stainless steel, medium, M20 cable entry with EPDM seal & SS gland; < 32V only; IP65
- JB-SSL** = Junction box, stainless steel, large, with earth and cover lock for line voltage. M20 cable entry, EPDM seal & SS gland; IP65
- JB-ALS** = Junction box, aluminium, small, M16 cable entry; < 32V only; IP65
- JB-SSS** = Junction box, stainless steel, small, M16 cable entry; < 32V only; IP65
- JB-ALH** = Junction box, aluminium, HiTop, M20 cable entry; < 32V only; IP65
- ES** = Electrical special on request

- 1/8T** = 1/8" BSPT Thread Fitting **3/8T** = 3/8" BSPM Thread Fitting] Single Switch only
- 1/8T90** = 1/8" BSPT, right angle stem. **3/8T90** = 3/8" BSPM, right angle stem.

- 0.75T** = 3/4" BSPT Thread Fitting * CCSP only **x/xBH** = x/x Bulhead fitting - specify both threads
- 1T** = 1" BSPT Thread Fitting * CCSP and CCS only; **2T** = 2" BSPT Thread Fitting
- 1G** = 1" BSPP Thread Fitting * CCSP and CCS only; **2G** = 2" BSPP Thread Fitting
- 1A** = 1" ANSI 150# flange * CCSP and CCS only; **xxTN** = mounting thread is NPT
- 2A** = 2" ANSI 150# Flange; **1.5A** = 1 1/2" ANSI 150# Flange
- 1D** = 1" Table D Flange * CCSP and CCS only; **3A** = 3" ANSI 150# RF
- 1CF** = 1" BSPM & SS compression fitting, minor adjustment only. **2D** = 2" Table D Flange
- MS** = Mounting special **2CF** = 2" BSPM & SS compression fitting.

- TSxxN*yyy** = Temp switch, temp setting, NO or NC, function - Open On Rise, e.g. TS80NCOOR
- TC** = Thermocouple 4 - 20mA output
- RTD** = PT 100 standard, others available
- RTDV** = RTD with analogue voltage output (0-10V)
- ST** = Stilling tube, CCL only: 50mm OD 304SS pipe, perforated bottom plate with locknut

CC



XXX = Serial Number or coding to identify: special features, customer reference, etc Assigned by Control Components

CC Level vertical mount level switches



CCS-1-FL-1/8T

CCS-1-FL-1/8T90



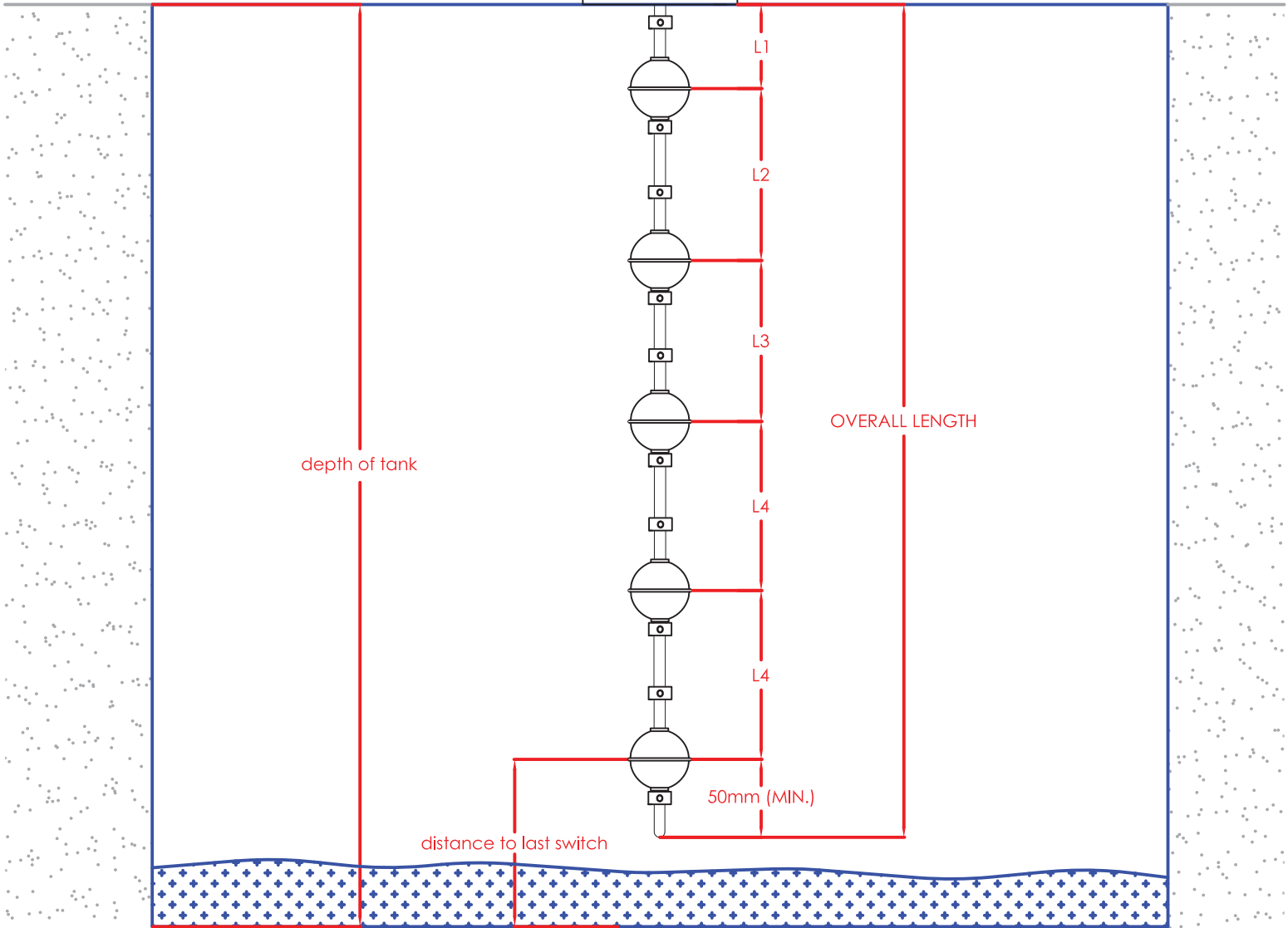
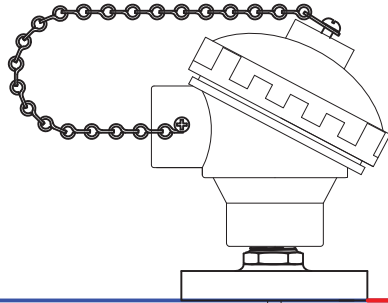
CCS-4-JB-ALM1T



CCSP-2-JB-ALS-0.75T



CCL-4-JB-ALM2D

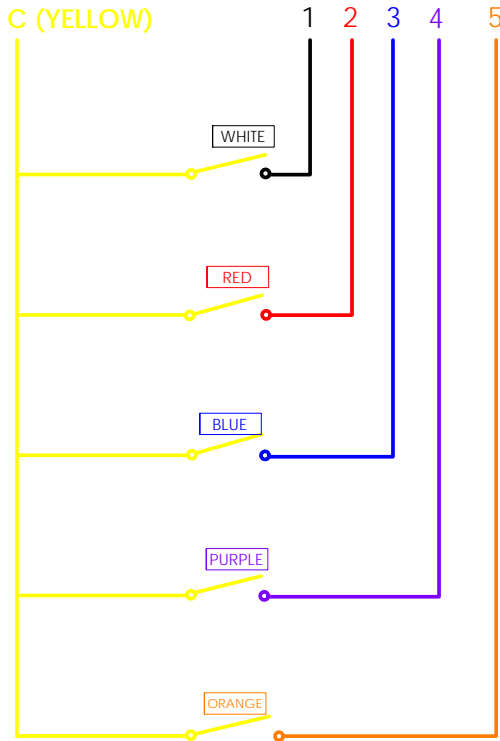


**Junction box alternatives
 for
 flow and level switch units**

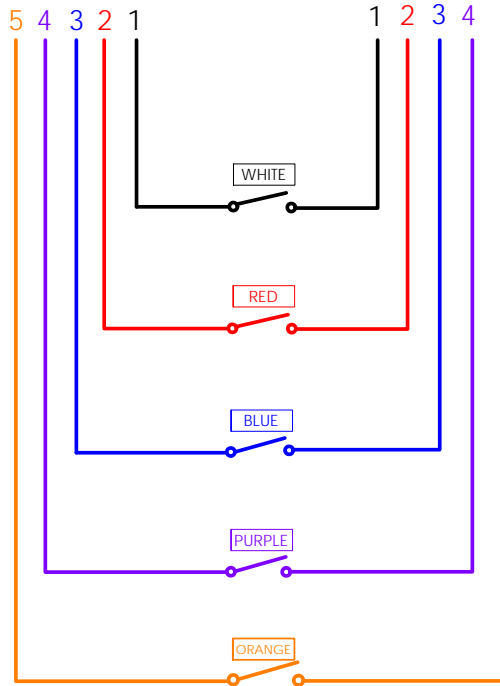


Small size housings for max 32V, IP65 rating, 1/4 and 1/2" connections ~ internal terminal strip ~ Dims: 60mm dia x 80 mm high		
Aluminium Small 32V IP65	JB-ALS-32V-65-1 (1/4") JB-ALS-32V-65-2 (1/2") ~ Painted aluminium case ~ M16 NPB cable gland supplied	
Stainless Small 32V IP65	JB-SSS-32V-65-2 ~ Full 316SS case ~ M16 SS cable gland supplied	
Medium size housings for max 32V, IP65 rating, 1/2" connection ~ internal terminal strip on SS bracket ~ Dims: 70mm dia x 75 mm high		
Aluminium Medium 32V IP65	JB-ALM-32V-65-2 ~ Painted aluminium case ~ M20 cable entry (no gland)	
Stainless Medium 32V IP65	JB-SSM-32V-65-2 ~ Full 316SS case ~ M20 SS cable gland supplied	
Large size housings for max 250V, IP65 rating, 1/2" connection ~ Painted earth terminals both inside and outside housing. ~ Cover locking screw ~ internal terminal strip on SS bracket ~ Dims: 82mm dia x 94 mm high		
Aluminium Large 240V IP65	JB-ALL-240V-65-2 ~ Painted aluminium case ~ M20 cable entry (no gland)	
Stainless Large 240V IP65	JB-SSL-240V-65-2 ~ Full 316SS case ~ M20 SS cable gland supplied	

COMMON WIRED CONTACTS

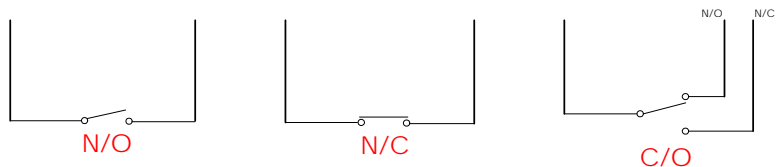


INDIVIDUALLY WIRED CONTACTS



- STANDARD** - NO or NC CONTACT RATED @ 32V AC/DC @ 500mA RESISTIVE LOAD
- STANDARD** - INDIVIDUALLY WIRED CONTACTS (UP TO 3 FLOATS) or COMMON WIRED 4-5
- OPTION** - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
- OPTION** - CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD
- OPTION** - NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- OPTION** - TEMPERATURE SENSOR (SWITCH, 4-20mA OR 0-10V)

Please select switch type: SPST (N/O or N/C) or SPDT (C/O)



Note: switch state specified when the tank is empty

CONTROL COMPONENTS PTY LTD

CONDITIONS:
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TITLE: CC Level wiring diagram.

REGISTRY	SCANNED	SIZE: A4	DATE: 29-08-13	REV. 1.4
		SCALE: NTS	DRAWN BY: BGM	CC-wiring