# Model Numbering System

**CC Level - Vertical Mount Level Switches and Transmitters**

<table>
<thead>
<tr>
<th>L</th>
<th>Large Float - 316SS, 12.7mm stem (S4 - spherical, 52mm dia, min 0.55 sg)</th>
<th>Min between switches = 75mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2</td>
<td>Large Float - 316SS, 12.7mm stem (S3 - cylindrical, 45mm dia x 55mm, min 0.65 sg)</td>
<td>Min between switches = 78mm</td>
</tr>
<tr>
<td>S</td>
<td>Small Float - 316SS, 8mm stem (S1 - cylindrical 29mm dia x 29mm, min 0.8 sg)</td>
<td>Min between switches = 50mm</td>
</tr>
<tr>
<td>SP</td>
<td>Small Float - Buna N; exposed magnet &amp; brass collars (NBR - cyl 18.5mm dia x 26mm, min 0.5 sg)</td>
<td>Min between switches = 50mm</td>
</tr>
<tr>
<td>T</td>
<td>Large Float - 316SS, 12.7mm stem (S3 - cylindrical, 45mm dia x 55mm, min 0.65 sg)</td>
<td>Level Transmitter, single float only; 4 - 20mA output</td>
</tr>
</tbody>
</table>

| 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 |
| 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-SSL| 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 |

## 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.

### Electrical connection

- **T** = 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
- **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-SSL** = 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

### Electrical special on request

**1/8T** = 1/8" BSPT Thread Fitting
**3/8T** = 3/8" BSPP Thread Fitting

**1/8T90** = 1/8" BSPT, right angle stem.
**3/8T90** = 3/8" BSPP, right angle stem.

**0.75T** = 3/4" BSPT Thread Fitting
**1T** = 1" BSPP Thread Fitting
**1G** = 1" BSP Thread Fitting

**2A** = 2" ANSI 150# Flange
**3A** = 3" ANSI 150# RF

**1CF** = 1" BSPM & SS compression fitting, minor adjustment only.
**2CF** = 2" BSPM & SS compression fitting.

**MS** = Mounting special

- **TSxxNyyy** = 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

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Control Components Pty Ltd

Proprietary: Do Not Copy

Effective: 26 Jun 2012 - Rev.16
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**

<table>
<thead>
<tr>
<th>Small size housings for max 32V, IP65 rating, ¼ and ½” connections</th>
<th></th>
</tr>
</thead>
</table>
| **Aluminium** Small | **JB-ALS-32V-65-1** (1/4")  
**JB-ALS-32V-65-2** (1/2")  
* Painted aluminium case  
* M16 NPB cable gland supplied |
| **Stainless** Small | **JB-SSS-32V-65-2**  
* Full 316SS case  
* M16 SS cable gland supplied |

<table>
<thead>
<tr>
<th>Medium size housings for max 32V, IP65 rating, 1/2” connection</th>
<th></th>
</tr>
</thead>
</table>
| **Aluminium** Medium | **JB-ALM-32V-65-2**  
* Painted aluminium case  
* M20 cable entry (no gland) |
| **Stainless** Medium | **JB-SSM-32V-65-2**  
* Full 316SS case  
* M20 SS cable gland supplied |

<table>
<thead>
<tr>
<th>Large size housings for max 250V, IP65 rating, 1/2” connection</th>
<th></th>
</tr>
</thead>
</table>
| **Aluminium** Large | **JB-ALL-240V-65-2**  
* Painted aluminium case  
* M20 cable entry (no gland) |
| **Stainless** Large | **JB-SSL-240V-65-2**  
* Full 316SS case  
* M20 SS cable gland supplied |
COMMON WIRED CONTACTS

INDIVIDUALLY WIRED CONTACTS

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

Note: switch state specified when the tank is empty
**PROCESS CAPABILITIES**
- \( {1 \over 8} \) BSPP with 17mm lock nut
- 316SS construction
- specific gravity > 0.8
- temp rating: 120°C max.
- pressure rating: 9.8 bar max.
- special threads & leads available
- special lengths made to order

**ELECTRICAL CAPABILITIES**
- NO or NC function by reversing float
- switching capacity: 50 Watts
- switching voltage: 240VAC / 200VDC

**FLOAT DIMENSIONS:**
- 29mm
- 9.5mm

**CONDITIONS:**
- This drawing is our exclusive property & must not be copied or handed to any other parties without written permission. It shall be returned upon request.
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 50mm

BAKELITE, ALUMINIUM OR 316 STAINLESS STEEL HEAD (IP65) & PREWIRED TERMINAL BLOCK

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 - NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
OPTION - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
OPTION - 240V RATED - ALUMINIUM or STAINLESS STEEL HEAD (IP65) WITH 240V WIRING
OPTION - TEMPERATURE SWITCH
OPTION - CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD

SPECIFICATIONS:
- 316L STAINLESS STEEL CONSTRUCTION
- Ø 29mm STAINLESS STEEL FLOATS
- SPECIFIC GRAVITY 0.8 (min.)
- TEMPERATURE RATING: 120°C (max.)
- PRESSURE RATING: 9.8 bar (max.)

OPTIONAL CAPABILITIES:
- UP TO 5 FLOATS PER ASSEMBLY (max. 1200mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

FLOAT DIMENSIONS:

Serial No: Qty: Work Order: Ref: Customer: Cust. PO: CCPL Invoice No: State:

CONTROL COMPONENTS PTY LTD

CONDITIONS:
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TITLE: 1-5 station level switch with small floats
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 50mm

1" BSPT STAINLESS STEEL PROCESS CONNECTION

BAKELITE, ALUMINIUM OR 316 STAINLESS STEEL HEAD (IP65) & PREWIRED TERMINAL BLOCK

**STANDARD**
- NO or NC CONTACT RATED @ 32V AC/DC @ 500mA RESISTIVE LOAD
- Ø 29mm STAINLESS STEEL FLOATS - SPECIFIC GRAVITY 0.8 (min.)
- TEMPERATURE RATING: 120°C (max.)
- PRESSURE RATING: 9.8 bar (max.)

**OPTION**
- NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
- 240V RATED - ALUMINIUM or STAINLESS STEEL HEAD (IP65) WITH 240V WIRING
- TEMPERATURE SWITCH
- CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD

**SPECIFICATIONS:**
- 316L STAINLESS STEEL CONSTRUCTION
- Ø 29mm STAINLESS STEEL FLOATS
- SPECIFIC GRAVITY 0.8 (min.)
- TEMPERATURE RATING: 120°C (max.)
- PRESSURE RATING: 9.8 bar (max.)

**OPTIONAL CAPABILITIES:**
- UP TO 5 FLOATS PER ASSEMBLY (max. 1200mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

**FLOAT DIMENSIONS:**
- 29mm
- 9.5mm

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**CONTROL COMPONENTS PTY LTD**

**TITLE:** 1→5 station level switch with small floats

**SIZE:** A4  |  **DATE:** 31-08-12  |  **REV.** 6.0

**SCANNED**  |  **DRAWN BY:** BGM  |  **CC PL Invoice No:**

**STATE:**
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 50mm

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 - NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
OPTION - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
OPTION - 240V RATED - ALUMINIUM or STAINLESS STEEL HEAD (IP65) WITH 240V WIRING
OPTION - TEMPERATURE SWITCH
OPTION - CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD

SPECIFICATIONS:
- 316L STAINLESS STEEL CONSTRUCTION
- Ø 29mm STAINLESS STEEL FLOATS
- SPECIFIC GRAVITY 0.8 (min.)
- TEMPERATURE RATING: 120°C (max.)
- PRESSURE RATING: 9.8 bar (max.)

OPTIONAL CAPABILITIES:
- UP TO 5 FLOATS PER ASSEMBLY (max. 1200mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 50mm

PVC OR TEFLOM SCREENED MULTICORE CABLE AS SPECIFIED

½" BSPT BULKHEAD FITTING

WELD

<table>
<thead>
<tr>
<th>L1</th>
<th>L2</th>
<th>L3</th>
<th>L4</th>
<th>L5</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
</tbody>
</table>

OVERALL LENGTH

MIN 50mm

TAIL LENGTH

NO

NC

NO

NC

NO

NC

NO

NC

NO

NC

8mm DIA

Serial No: Qty:

Work Order:

Ref:

Customer:

Cust. PO:

CCPL Invoice No: State:

OPTIONAL CAPABILITIES:

- UP TO 5 FLOATS PER ASSEMBLY (max. 1200mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

SPECS:

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 - NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD

OPTION - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS

OPTION - 240V RATED - ALUMINIUM or STAINLESS STEEL HEAD (IP54) WITH 240V WIRING

OPTION - TEMPERATURE SWITCH

OPTION - CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD

- 316L STAINLESS STEEL CONSTRUCTION
- Ø 29mm STAINLESS STEEL FLOATS
- SPECIFIC GRAVITY 0.8 (min.)
- TEMPERATURE RATING: 120°C (max.)
- PRESSURE RATING: 9.8 bar (max.)

CONDITIONS:

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CONTROL COMPONENTS PTY LTD

UNIT 19, 15-23 KUMULLA ROAD
MIRANDA NSW 2228
PHONE: 02 9542 8977
FAX: 02 9542 7978
EMAIL: HELP@CONTROLCOMPONENTS.COM.AU

TITLE: 1-5 station level switch with small floats

SIZE: A4 DATE: 31-08-12 REV. 6.0

STATEMENT: REGISTRY SCANNED SCALE: NT5 DRAWN BY: BGM

CCS-X-FL-1/4BH
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 75mm

<table>
<thead>
<tr>
<th>SERIAL NO:</th>
<th>Qty:</th>
</tr>
</thead>
</table>

**OPTIONAL CAPABILITIES:**

- Up to 5 floats per assembly (max. 1800mm)
- No or NC contacts rated @ 250V AC/DC @ 500mA resistive load
- Wiring variations
- Change-over contacts rated @ 250mA resistive load
- Special threads, flanges & lengths available

**SPECIFICATIONS:**

- 316L stainless steel construction
- Ø 52mm stainless steel floats
- Specific gravity 0.55 (min.)
- Temperature rating: 120°C (max.)
- Pressure rating: 29.4 bar (max.)

**CONDITIONS:**

- This drawing is our exclusive property & must not be copied or handed to any other parties without written permission. It shall be returned upon request.

**TITLE:** 1→5 station level switch with large floats

<table>
<thead>
<tr>
<th>SIZE: A4</th>
<th>DATE: 31-08-12</th>
<th>REV. 6.0</th>
</tr>
</thead>
</table>

**CONTROL COMPONENTS PTY LTD**

UNIT 19, 15-23 KUMULLA ROAD
MIRANDA, NSW 2228

PHONE: 02 9542 8977
FAX: 02 9542 7978
EMAIL: HELP@CONTROLCOMPONENTS.COM.AU
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 75mm

2" BSPT STAINLESS STEEL PROCESS CONNECTION

ALUMINIUM OR 316 STAINLESS STEEL HEAD (IP65) & PREWIRED TERMINAL BLOCK

STANDARD - NO or NC CONTACTS RATED @ 32V AC/DC @ 500mA RESISTIVE LOAD
STANDARD - INDIVIDUALLY WIRED CONTACTS (UP TO 3 FLOATS) or COMMON WIRED 4-5
OPTION - NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
OPTION - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
OPTION - 240V RATED - ALUMINIUM or STAINLESS STEEL HEAD (IP65) WITH 240V WIRING
OPTION - TEMPERATURE SWITCH
OPTION - CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD

SPECIFICATIONS:
- 316L STAINLESS STEEL CONSTRUCTION
- Ø 52mm STAINLESS STEEL FLOATS
- SPECIFIC GRAVITY 0.55 (min.)
- TEMPERATURE RATING: 120°C (max.)
- PRESSURE RATING: 29.4 bar (max.)

OPTIONAL CAPABILITIES:
- UP TO 5 FLOATS PER ASSEMBLY (max. 1800mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

OPTION - TEMPERATURE SWITCH
OPTION - CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD

FLOAT DIMENSIONS:

Serial No: Qty:
Work Order:
Ref:
Customer:
Cust. PO:
CCPL Invoice No: State:

CONTROL COMPONENTS PTY LTD
UNIT 19, 15-23 KUMULLA ROAD
MIRANDA NSW 2228
PHONE: 02 9542 8977
FAX: 02 9542 7978
EMAIL: HELP@CONTROLCOMPONENTS.COM.AU

CONDITIONS:
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TITLE: 1→5 station level switch with large floats

SIZE: A4 DATE: 31-08-12 REV. 6.0
REGISTRY SCANNED SCALE: NT5 DRAWN BY: BG M
CCL-Xj B-xxx-2T

ALUMINIUM OR 316 STAINLESS STEEL HEAD (IP65) & PREWIRED TERMINAL BLOCK
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 78mm

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 - NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
OPTION - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
OPTION - 240V RATED - ALUMINIUM or STAINLESS STEEL HEAD (IP65) WITH 240V WIRING
OPTION - TEMPERATURE SWITCH
OPTION - CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD

SPECIFICATIONS:
- 316L STAINLESS STEEL CONSTRUCTION
- 45mm STAINLESS STEEL FLOATS
- SPECIFIC GRAVITY 0.65 (min.)
- TEMPERATURE RATING: 120°C (max.)
- PRESSURE RATING: 11.7 bar (max.)

OPTIONAL CAPABILITIES:
- UP TO 5 FLOATS PER ASSEMBLY (max. 1800mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

FLOAT DIMENSIONS:

BAKELITE, ALUMINIUM O R 316 STAINLESS STEEL HEAD (IP65) & PREWIRED TERMINAL BLOCK

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TITLE: 1→5 station level switch with large cylindrical floats

SIZE: A4  DATE: 31-08-12  REV. 6.0
SCALE: NTS  DRAWN BY: BGM  C CL2-X-J B-xxx-2CF
ALUMINIUM OR 316 STAINLESS STEEL HEAD (IP65) & PREWIRED TERMINAL BLOCK

L0 (overall physical length) mm
L1 (measuring range) mm

DEADZONE (min. 28mm)

R2" (BSPT) STAINLESS STEEL PROCESS CONNECTION

L0 (min.) = L1 + 28mm + 35mm

OPTION - TEMPERATURE SWITCH

OPTION - LENGTHS > 2500mm ON REQUEST

OPTION - HIRSHMAN (DIN) PLUG & SOCKET

SPECIAL CAPABILITIES:
- MAX. 2000mm LENGTH (with 10mm resolution) or 2500mm (with 18mm resolution)
- SPECIAL THREADS, FLANGE & LENGTHS AVAILABLE

SPECIFICATIONS:
- 316L STAINLESS STEEL CONSTRUCTION
- SPECIFIC GRAVITY 0.65 (min.)
- TEMPERATURE RATING: 120°C (max.)
- PRESSURE RATING: 11.7 bar (max.)
- Ø45mm 316 STAINLESS STEEL FLOAT
- SUPPLY POWER 8-35 VDC (2 wire)

OPT 10mm
RESOLUTION - 10mm
RESOLUTION - 18mm

L0 (min.) = L1 + 28mm + 35mm

FLOAT DIMENSIONS:

55

45

Serial No: CC-
Qty:
Work Order:
Ref:
Customer:
Cust. PO:
CCPL Invoice No:
State:

CONDITIONS:
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NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 50mm

EXPOSED MAGNET & BRASS COLLARS TO BE USED WITH THIS FLOAT

1" BSPT STAINLESS STEEL PROCESS CONNECTION

BAKELITE, ALUMINIUM OR 316 STAINLESS STEEL HEAD (IP65) & PREWIRED TERMINAL BLOCK

FLOAT DIMENSIONS

Serial No: Qty:
Work Order:
Ref:
Customer:
Cust. PO:
CCPL Invoice No:
State:

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: NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
OPTION: INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
OPTION: TEMPERATURE SWITCH
OPTION: CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD

SPECIFICATIONS:
- 316L STAINLESS STEEL & BRASS CONSTRUCTION
- Ø 18.5mm BUNA-N FLOATS
- SPECIFIC GRAVITY 0.5 (min.)
- TEMPERATURE RATING: 100°C (max.)
- PRESSURE RATING: Atmosphere (max.)

OPTIONAL CAPABILITIES:
- UP TO 5 FLOATS PER ASSEMBLY (max. 1800mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

CONDITIONS:
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TITLE: 1→5 station level switch with small floats

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UNIT 19, 15-23 KUMULLA ROAD
MIRANDA, NSW 2228
PHONE: 02 9542 8977
FAX: 02 9542 7978
EMAIL: HELP@CONTROLCOMPONENTS.COM.AU

SIZE: A4  DATE: 31-08-12  REV. 6.0
SCALE: NTS  DRAWN BY: BGM  CCSP-1 to 5-J B-xxx-1T
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 50mm

EXPOSED MAGNET & BRASS COLLARS TO BE USED WITH THIS FLOAT

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 - NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
OPTION - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
OPTION - TEMPERATURE SWITCH
OPTION - CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD

SPECIFICATIONS:
- 316L STAINLESS STEEL & BRASS CONSTRUCTION
- Ø 18.5mm BUNA-N FLOATS
- SPECIFIC GRAVITY 0.5 (min.)
- TEMPERATURE RATING: 100°C (max.)
- PRESSURE RATING: Atmosphere (max.)

OPTIONAL CAPABILITIES:
- UP TO 5 FLOATS PER ASSEMBLY (max. 1800mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

BAKELITE, ALUMINIUM OR 316 STAINLESS STEEL
HEAD (IP65) & PREWIRED TERMINAL BLOCK

3/4" BSPM & SS COMPRESSION FITTING
(minor adjustment only)

FLOAT MATERIAL
NBR PLASTIC

Serial No: Qty:
Work Order:
Ref:
Customer:
Cust. PO:
CCPL Invoice No:
State:

CONDITIONS:
THIS DRAWING IS OUR EXCLUSIVE PROPERTY & MUST NOT BE COPIED OR HANDED TO ANY OTHER PARTIES WITHOUT WRITTEN PERMISSION. IT SHALL BE RETURNED UPON REQUEST.

CONTROL COMPONENTS PTY LTD
UNIT 19, 15-23 KUMULLA ROAD
MIRANDA, NSW 2228
PHONE: 02 9542 8977
FAX: 02 9542 7978
EMAIL: HELP@CONTROLCOMPONENTS.COM.AU

TITLE: 1→5 station level switch with small floats

SIZE: A4 DATE: 31-08-12 REV. 6.0
SCALE: NTS DRAWN BY: BGM

CCS-P-1 to 5-J-B-xxx-0.75CF
NOTE: MINIMUM DISTANCE BETWEEN FLOATS IS 50mm

EXPOSED MAGNET & BRASS COLLARS TO BE USED WITH THIS FLOAT

FLOAT DIMENSIONS

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 - NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
OPTION - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
OPTION - TEMPERATURE SWITCH
OPTION - CHANGE-OVER CONTACT RATED @ 250mA RESISTIVE LOAD

SPECIFICATIONS:
- 316L STAINLESS STEEL & BRASS CONSTRUCTION
- Ø 18.5mm BUNA-N FLOATS
- SPECIFIC GRAVITY 0.5 (min.)
- TEMPERATURE RATING: 100°C (max.)
- PRESSURE RATING: Atmosphere (max.)

OPTIONAL CAPABILITIES:
- UP TO 5 FLOATS PER ASSEMBLY (max. 1800mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

- 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 - NO or NC CONTACT RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- OPTION - INDIVIDUALLY WIRED CONTACTS FOR 4-5 FLOATS
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OPTIONAL CAPABILITIES:
- UP TO 5 FLOATS PER ASSEMBLY (max. 1800mm)
- NO or NC CONTACTS RATED @ 250V AC/DC @ 500mA RESISTIVE LOAD
- WIRING VARIATIONS
- CHANGE-OVER CONTACTS RATED @ 250mA RESISTIVE LOAD
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE

CONDITIONS:
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OPTION - SMALL STAINLESS STEEL PRE-WIRED HEAD (IP65)

OPTION - LARGE ALUMINIUM OR STAINLESS STEEL PRE-WIRED HEAD (IP65) FOR MULTI-PROBE APPLICATIONS

SPECIFICATIONS:

- 316L STAINLESS STEEL PROBES (Ø 3/8" or 3/16" or 1/4" standard)
- REQUIRES 24V AC/DC LEVEL CONTROLLER FOR SINGLE PO IN TLE VEL
- MEDIA MUST BE CONDUCTIVE
- TEMPERATURE RATING: 50°C (max.)
- PRESSURE RATING: atmospheric (max.) - NON-PRESSURE APPLICATIONS

OPTIONAL CAPABILITIES:

- MULTIPLE PROBES FOR MULTI-STAGE SENSING
- 240V CONTROLLER
- WIRING VARIATIONS
- SPECIAL THREADS, FLANGES & LENGTHS AVAILABLE
- CONTACT US ABOUT PRESSURISED APPLICATIONS

CONDUCTIVITY LEVEL PROBE
- Teflon insulated.
**CONDITIONS:**

- **REGISTRY SCANNED**
- **CONTROL COMPONENTS PTY LTD**
- **UNIT 19, 15-23 KUMULLA ROAD MIRANDA NSW 2228**
- **PHONE: 02 9542 8977**
- **FAX: 02 9542 7978**
- **EMAIL: HELP@CONTROLCOMPONENTS.COM.AU**

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**STANDARD** - NO SWITCH  
**STANDARD** - NC SWITCH  
**OPTION** - LONGER FIBREGLASS LEADS (SPECIFY) mm  
**OPTION** - 240VAC APPLICATION  
**OPTION** - THERMOCOUPLE HEAD  
**OPTION** - 316SS THERMOWELL  
**OPTION** - FACTORY SET (SPECIFY) °C

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**SPECIFICATIONS:**

- TEMPERATURE DIFFERENTIAL AS LOW AS 1°C IN IDEAL CONDITIONS  
- BRASS  
- ADJUSTABLE RANGE 0 - 250°C  
- CARTRIDGE WILL FIT INTO A 16mm HOLE  
- RATED UP TO 240VAC 1,200W (5A RESISTIVE LOADS)  
- 2 x FIBREGLASS LEADS (150mm LENGTH)

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**DATE:** 31-08-12  
**REV.: 1.1**  
**SIZE:** A4  
**SCALE:** NTS  
**DRAWN BY:** BG M  
**CC-CTS**

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**SET TEMPERATURE ADJUSTMENT USING SCREW IN HEX NIPPLE**

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**Serial No:** Qty:  
**Work Order:**  
**Ref:**  
**Customer:**  
**Cust. PO:**  
**CCPL Invoice No:** State:
Thermal cutout.

- 316L Stainless Steel Construction
- Temperature Rating: 10% Above Highest Switch Point (max.)
- Pressure Rating: 20 bar (max.)

Specifications:
- Standard - Stainless Steel Process Connection & Wetted Parts
- Standard - Small Aluminium Head (IP65)
- Standard - 1/2" Tapered Thread Connection
- Standard - 1/2" Parallel Thread Connection
- Option - Small 316 Stainless Steel Head (IP65)
- Option - 240V Rated, Aluminium or Stainless Steel Head w/ 240V Wiring

Switch Type Selection:

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Control Components Pty Ltd

Title: Thermal cutout.
Thermocouple temperature sensor with threaded process connection.

**SPECIFICATIONS:**
- 310 & 316L Stainless Steel Construction
- Temperature Rating: 900°C (max.)
- Pressure Rating: 2000kPa (max.)

**CONDITIONS:**
- Standard - Type K Thermocouple
- Standard - Type J Thermocouple
- Standard - Type T Thermocouple
- Standard - Type N Thermocouple
- Standard - 3 Wire RTD Pt100
- Standard - 4 Wire RTD Pt100
- Option - Ex ia (Compliance with ANSI AS/NZS 60079.11.2006)
- Option - >1800mm

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