

# RFQ and Purchase Order Specification Work Sheets

Section: R406.025  
Date: 6/1/2020  
Supersedes: NEW  
Page 1

## Control Unit and Indicator for Eye-Hye SmartLevel



Please complete all information fields in this worksheet and submit with your RFQ (Request For Quote) or Purchase Order. The use of these worksheets has proven to greatly decrease Engineering time and virtually eliminate specification errors.

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Must accompany P.O with all fields  
completed

Customer: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

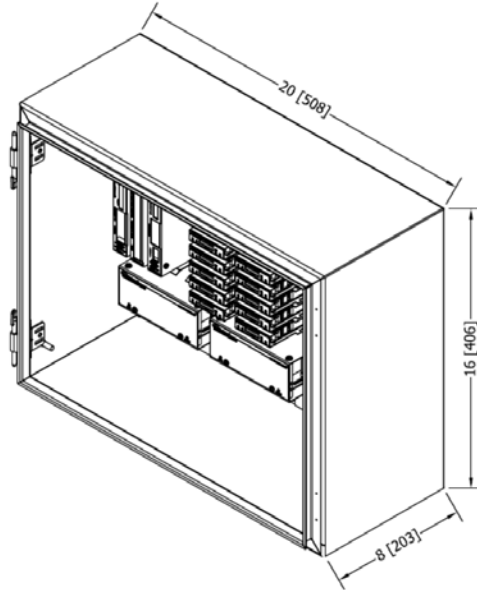
Date: \_\_\_\_\_

Contact Name: \_\_\_\_\_

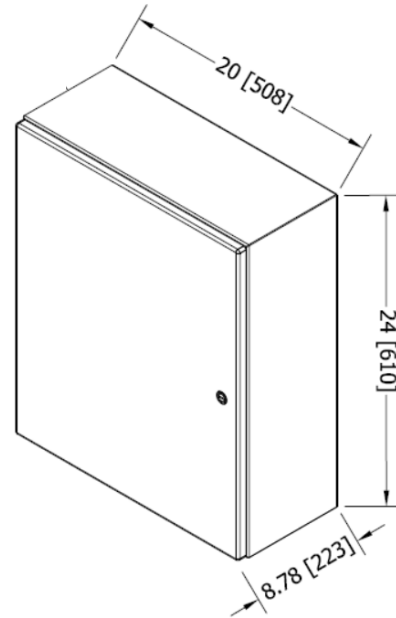
E-mail: \_\_\_\_\_

Phone Number: \_\_\_\_\_

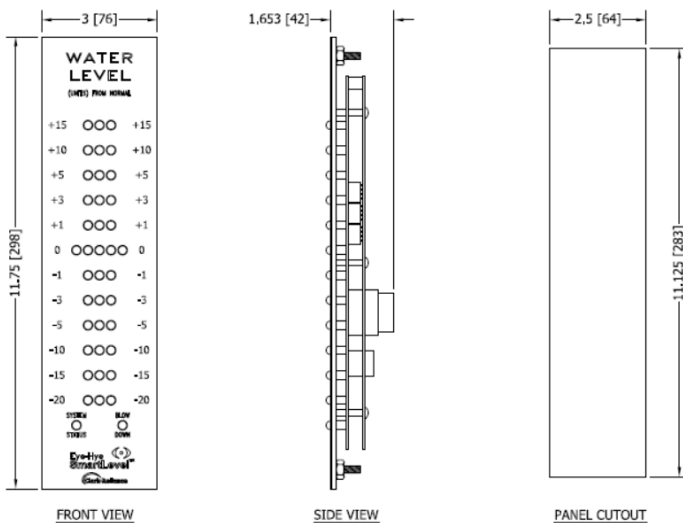
RFQ/P.O. Number: \_\_\_\_\_



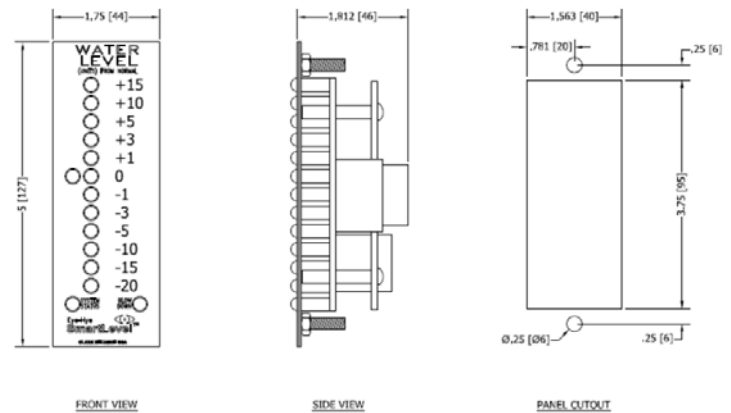
10 and 12 Channel Control Unit



20 Channel Control Unit



SIM Medium Indicator (12 Channel Unit Shown)



SIS Small Indicator (12 Channel Unit Shown)

# SmartLevel Control Unit and Indicator Selection Sheet

**NOTE: Select numbers for all required fields (in YELLOW).**

## Control Unit

Number of level detection modules (= to the # of probes in the Electrolv Column)

Number of probes to be between 6 and 24

Enclosure Type:

- 1 = NEMA 4 Outdoor (IP66) - Standard Enclosure
- 2 = NEMA 4X Outdoor Stainless Steel (IP66)
- 3 = NEMA 4X Outdoor Stainless Steel (IP66) with full viewing window
- 4 = NEMA 4 Outdoor (IP66) with indicator view
- 5 = NEMA 4X Outdoor Stainless Steel (IP66) with indicator view
- 6 = NEMA 4 Outdoor (IP65) - Standard Enclosure: 13 - 24 probe models
- 7 = NEMA 4X Outdoor Stainless Steel (IP66): 13 - 24 probe models
- 8 = NEMA 4X Outdoor Stainless Steel (IP66) with full viewing window: 13 - 24 probe models
- 9 = NEMA 4 Outdoor (IP66) with indicator view: 13 - 24 probe models
- 10 = NEMA 4X Outdoor Stainless Steel (IP66) with indicator view: 13 - 24 probe models
- 11 = NEMA 7/4X Explosionproof and weatherproof
- 12 = NEMA 7/4X Explosionproof and weatherproof: 13 - 24 probe models

NOTE: Full viewing window is only available on NEMA 4X option



Power Supplies:

- 1 = Single Internal Power Supply for 120/240 VAC Power Sources (standard)
- 2 = Dual Internal Power Supply for 120/240 VAC Power Sources
- 3 = CE Kit with Single Internal Power Supply for 120/240 VAC Power Source
- 4 = CE Kit with Dual Internal Power Supply for 120/240 VAC Power Source

Relay Output Module:

- 0 = No additional modules (see note)
- 1 = One additional 6 channel Relay Module (not available when the 4-20mA card is selected)
- 2 = One 4-20mA Output Module (not available when option #1 is selected)
- 3 = Two additional 6 channel Relay Modules (only with 13 - 24 probe models)
- 4 = Three additional 6 channel Relay Modules (only with 13 - 24 probe models)
- 5 = One 4-20mA Output Module and one additional 6 channel Relay Module (only with 13 - 24 probe models)
- 6 = One 4-20mA Output Module and two additional 6 channel Relay Module (only with 13 - 24 probe models)
- 7 = One 4-20mA Output Module and three additional 6 channel Relay Module (only with 13 - 24 probe models)

NOTE: All control units come standard with one 6 channel relay module)

Intinsically Safe Barriers

- 0 = None
- 1 = Yes - for hazardous areas

Medium Indicator

- 0 = None
- 1 = One Medium Indicator for panel mounting
- 2 = Two Medium Indicators for panel mounting
- 3 = One Medium Indicator and one with a NEMA 4 Enclosure for local indication
- 4 = One Medium Indicator and one with a NEMA 4X S.S. Enclosure for local indication

**Small Indicator**

- 0 = None
- 1 = One Small Indicator for panel mounting
- 2 = One Small Indicator mounted on the enclosure door (not available with NEMA 7 Encl.)
- 3 = One Small Indicator with a NEMA 4 Enclosure for local indication
- 4 = One Small Indicator with a NEMA 4X S.S. Enclosure for local indication
- 5 = One Small Indicator with a NEMA 7 Explosionproof Enclosure for local indication

**Special Options**

- 0 = None
- S = Defined below (Must be specified on the Purchase Order)

**Control Unit**

**Model No.:**    **RSC**

					0	0	0			
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**Notes and Special Options:**

Instructions: Blocks that are YELLOW require a selection to be made. If the selection is made and matches the correct selection sheet criteria, the block will turn GREEN.  
Hit the TAB key to go to the next required field.  
Save the sheet with a new file name when complete.

## NOTES

### 1) SmartLevel Probe Column to Junction Box:

Existing high temp. probe wire from probe to junction box can be used if in good condition.

Electrolev columns rated to 1000 psiG use 18 GA stranded conductor w/ Teflon insulation rated to 300 VAC @ 392°F.

Columns rated 1000-3000 psiG use 18 GA stranded Nickel-coated copper conductor w/ Teflon-treated glass braid insulation rated to 600 VAC @ 842°F (UL #5107).

Wire run between Electrolev probe column & junction box can be no more than 15 ft.

If wire run between Electrolev probe column & SmartLevel control unit is 15 ft. or less & there's no junction box between column & control unit, please contact factory for other wiring options.

### 2) Junction Box to SmartLevel Control Unit:

SmartLevel must use RG-174 coaxial cable between Electrolev column junction box & Control unit. Control unit must be no more than a 250 ft. wire run from junction box. Probe Wire Kits are available from Clark-Reliance & are terminated on one end w/ ferrules & terminals. Other end of wire kit must be terminated at installation site after wiring's been installed. Kits are available in 25, 50, & 100 ft. lengths. A 500 ft. spool of RG-174 cable is also available from Clark-Reliance.

### 3) SmartLevel Control Unit to Remote Indicator:

On new installations, Indicator requires 4-conductor shielded cable between it & control unit. Existing indicator wires may be used on retrofit applications. Universal power supply adaptor will be furnished to supply power to indicator.

## WIRING/CABLE OPTIONS

Coax Cable Kit for Control Unit wiring to Electrolev Junction Box  
Note: Cable Kits are terminated on one end with ferrules and terminals

10 Channel	12 Channel	20 Channel
10 Conductor – 25 ft. <input type="checkbox"/>	12 Conductor – 25 ft. <input type="checkbox"/>	20 Conductor – 25 ft. <input type="checkbox"/>
10 Conductor – 50 ft. <input type="checkbox"/>	12 Conductor – 50 ft. <input type="checkbox"/>	20 Conductor – 50 ft. <input type="checkbox"/>
10 Conductor – 100 ft. <input type="checkbox"/>	12 Conductor – 100 ft. <input type="checkbox"/>	20 Conductor – 100 ft. <input type="checkbox"/>

☐ E-COAX-RG174 500 ft. (150m) Spool of RG174 Coax Cable

☐ SLC66-1 Wiring Kit, includes (25) Spades, (50) Ferrules, and (12 ft.) Grounding Wire

☐ SLC66-2 Wiring Kit, includes SLC66-1 and Crimping Tool for terminating RG174 Coax

☐ ETOOL-RG174 Crimping Tool only

☐ SLC68 Filter used when installing Control Unit within 15 ft. (3m) from the Electrolev (without Coax Cable)  
Note: Contact a Reliance Applications Engineer when selecting this option

☐ X179043 Indicator Wiring Cable - 18 AWG Shielded 4 conductor, available in 100, 500, or 1000 ft. lengths

Additional notes:

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