

GENERAL NOTES:

1. INSTALLATION SHOULD BE IN ACCORDANCE WITH:
MANUFACTURER’S INSTRUCTIONS AND THE US/CANADIAN ELECTRICAL CODE ANSI/NFPA 70 AND CSA C22.1
2. BARRIER MANUFACTURERS INSTALLATION DRAWINGS MUST BE FOLLOWED WHEN INSTALLING THESE EQUIPMENTS
3. ALL BARRIERS SHALL BE CONNECTED TO INSTALLATION GROUND
4. JUNCTION BOX MANUFACTURERS INSTALLATION DRAWINGS MUST BE FOLLOWED WHEN INSTALLING THESE EQUIPMENTS
5. ELECTRICAL EQUIPMENT CONNECTED MUST NOT USE OR GENERATE MORE THAN 250V RMS OR DC
6. ALL WIRING HAS DISTRIBUTED INDUCTANCE AND CAPACITANCE. THE MAXIMUM PERMITTED CABLE PARAMETERS FOR THE PARTICULAR BARRIER MUST NOT BE EXCEEDED. IF THE INDUCTANCE AND CAPACITANCE OF THE CABLE USED ARE NOT KNOWN, 56 mH/m (0.2 mH/ft) AND 196 pF/m (60 pF/ft) MAY BE USED AS A CONSERVATIVE CRITERIA FOR DETERMINATION OF CABLE EFFECTS
7. LOAD CELL MODELS COVERED BY THIS DRAWING:
RL42018A, RL1218A, RL26018A, RL9018SS, RL32018, RL32018S, RL32018S–HE, RL32018S–P, RL32218S–HE, RL32019S–HE, RL32018S–T, RL72019SS, RL260FD, RL75058–LP, RL75058S–LP, RL72020, RL72020P, RL72020SS, RL32022, RL32022–S
8. OPTIONAL JUNCTION BOXES MUST BE APPROVED FOR USE WITH INTRISICALLY SAFE CIRCUITS FOR THE APPROPRIATE HAZZARDOUS LOCATION AREA.
9. APPLICATIONS NOT REQUIRING EXCITATION SENSING, SHALL EITHER TERMINATE AND INSULATE UNUSED SENSE WIRES OR CONNECT THE SENSING LEADS TO THE EXCITATION LEAD OF THE SAME POLARITY
10. STANDARD LOAD CELL MODELS RL42018A, RL1218A AND RL26018A CONTAIN ALUMINUM AND ARE CONSIDERED TO CONSTITUTE A POTENTIAL RISK OF IGNITION BY IMPACT OR FRICTION. CARE MUST BE TAKEN INTO ACCOUNT DURING INSTALLATION AND USE TO PREVENT IMPACT OR FRICTION
11. NON STANDARD VARIANTS OF ANY MODEL MADE OF ALUMINUM SHALL FULFILL POINT 10.
12. LOAD CELLS HAVE TO BE CONNECTED TO INSTALLATION GROUND. THAT SHALL BE ACHIEVED THROUGH MOUNTING BOLTS, MOUNTING ACCESSORIES, OR OTHER MEANS THAT ASSURE GROUNDING CONNECTIONS MUST BE COMPLIANT WITH THE NATIONAL ELECTRICAL CODE FOR THE U.S., AND WITH THE CANADIAN ELECTRICAL CODE FOR CANADA

WARNING – EXPLOSION HAZARD – SUBSTITUTION OF LOAD CELL AND/OR OTHER ELEMENTS MAY IMPAIR INTRINSIC SAFETY
WARNING – EXPLOSION HAZARD – TO PREVENT IGNITION OF FLAMMABLE OR COMBUSTIBLE ATMOSPHERES, DISCONNECT POWER BEFORE SERVICING

GENERAL HAZARDOUS (CLASSIFIED) LOCATION:
INTRINSICALLY SAFE CLASS I DIV 1 GROUP A–B–C–D TEMP. CLASS T4
INTRINSICALLY SAFE CLASS II,III DIV 1 GROUP E–F–G TEMP. CLASS T4

PERMISSIBLE AMBIENT TEMPERATURE AND TEMPERATURE CODE:
T4 TA: –25°C TO +60°C




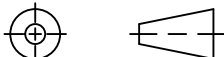
Ui [V]	Ii [A]	Pi [W]	Ci [pF]	Li [mH]
15	0.288	1.08	0	0
13	0.332	1.08	0	0

REVISIONS			
REV	REFERENCE	INIT	DATE
A	ENGINEERING RELEASE	ABC	11/6/18
B	ECO16645: ADD RL72019SS & RL260FD	ABC	6/27/19
C1	ECO16995: ADD RL75058–LP, RL75058S–LP,RL72020, RL72020P & RL72020SS	ABC	3/5/21
D	ECO17706: ADDED RL32022 & RL32022–S	ABC	3/11/22

DRAWING REVISIONS MUST BE APPROVED
BY FACTORY MUTUAL PRIOR TO RELEASE.

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TITLE
INSTALLATION DRAWING,
LOAD CELLS IN HAZARDOUS AREAS

		UNLESS OTHERWISE SPECIFIED UNITS TO BE INCHES ALL THREADS TO BE CLASS 2 ALL DIMENSIONS APPLICABLE AFTER TREATMENT				THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS AND REMAINS THE PROPERTY OF RICE LAKE WEIGHING SYSTEMS INC. AND IS CONFIDENTIAL. IT IS SUBMITTED AND MAY BE USED ONLY IN CONNECTION WITH RICE LAKE WEIGHING SYSTEMS' PROPOSAL AND/OR ITS CUSTOMERS' ORDERS. IT SHALL NOT BE DISCLOSED TO OTHERS OR COPIED WITHOUT RICE LAKE WEIGHING SYSTEMS' SPECIFIC WRITTEN CONSENT AND SHALL BE IMMEDIATELY RETURNED UPON REQUEST.						
MATERIAL ---		DO NOT SCALE DRAWING	DRAWING TOLERANCES UNLESS OTHERWISE SPECIFIED			TITLE INSTALLATION DRAWING, LOAD CELLS IN HAZARDOUS AREAS						
TREATMENT ---		FOR RLWS USE ONLY 	SURFACE FINISH 	TOL.	DECIMAL							
				2 PLC	---							
				3 PLC	---							
				ANGLE	---				DWG NO 193143			
THIRD ANGLE PROJECTION 		MFG.ENG. APPROVED	ABC 11/6/18		CKD.		RICE LAKE WEIGHING SYSTEMS					
		DES.ENG. APPROVED	ABC 11/6/18		DR.BY ABC 11/6/18		SCALE NA		SHEET 1 OF 3		REVISION D	