



Certification Record

CUSTOMER	CLASS	FILE
Westlock Controls Corporation 280 Midland Avenue Saddle Brook NJ 07662 USA	3218-02 INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers - Auxiliary Devices-For Hazardous Locations	068691_0_000
Refer to Class Description for program details		

Class I, Groups C and D; Class II, Groups E, F and G; CSA Encl. 3 or 4 (where applicable):

- "Accutrak" valve position monitor Model 2007X with two mechanical switches; Model 2217X and 9479 with two magnetic reed switches; Model 4040 with two proximity switches; Model 5050 with two inductive proximity switches; CSA Encl. 4 rated.
- "Eliminator" valve position monitor (c/w ASCO solenoid valve) Model 3030 with two mechanical switches; Model 3057 and E9479 with two magnetic reed switches; Model 4080 with two proximity switches; Model 5080 with two inductive proximity switches.
- "Module-3" linear valve position monitor (c/w ASCO solenoid valve) Model E3479 with two magnetic reed switches.

Notes:

1. Ratings:
 - Models with spdt mechanical switches: 10A, 125-250Vac, 15A, 125-250Vac, 0.5A, 125V dc, 0.25A, 250Vdc;
 - Models with dpdt mechanical switches: 10A, 125-250Vac, 10A, 28V dc, 0.2A, 125V dc;
 - Models with magnetic reed switches: 3A, 120Vac, 2A, 24V ac.
 2. Solenoid valves are as described in the corresponding Certification Report with the following input ratings: 24V dc, 0.53W; 120V ac, 60 Hz, 110Vac, 50Hz, 3.5W.
 3. Conduit seal shall be installed within 450MM of the enclosure entry.
- Network Valve Monitors, Model 7279, input rated 24 Vdc, 120 mA; Model 7379, input rated 9-32 Vdc, 24 mA; Model 7479, input rated 24 Vdc, 120 mA; Model 7579, input rated 24 Vdc, 120 mA; Model 7679, input rated 24 Vdc, 60 mA & Model 7779, input rated 50 mA; -20C to +60C Ambient, Temperature Code T4.

Class I, Groups C and D; Class II, Groups E, F and G; T3C; CSA Enclosure Type 4X:

- Valve position monitor (c/w solenoid valve) Models 777-xx-M2 and 777-xx-M4 with two

mechanical switches; Models 777-xx-M6 and 777-xx-M7 with two magnetic reed switches; max ambient 60C; MWP 120 psi.

Notes:

1. Ratings:
 - Models with spdt mechanical switches: 10A, 125-250V ac, 0.5A, 125V dc, 0.25A, 250V dc;
 - Models with dpdt mechanical switches: 10A, 125-250V ac, 10A, 28V dc, 0.2A, 125V dc;
 - Models with magnetic reed switches: 3A, 120V ac, 2A, 24V ac.
2. Solenoid valves are as described in the corresponding Certification Report with the following input ratings: 24V dc, 0.53W; 120V ac, 60Hz, 110V ac, 50Hz, 3.5W.
3. Conduit seal shall be installed within 450MM of the enclosure entry.

Class I, Div 1, Groups B, C and D; Class II, Div 1, Groups E, F and G; CSA Encl 3 or 4:

- "Module-3" linear valve position monitor Model E3479 with two magnetic reed switches.
- LL Series Solenoid LLabc where a = Type 33, 34 or 44, b = Body A, B, S or T, c = Coil U3 or U4. Type 4X enclosure

Class I, Div. 2, Groups A, B, C and D; CSA Encl 3 or 4:

- "Accutrak" valve position monitor Model 9479 with two magnetic hermetically sealed reed switches.
- Module-3" valve position monitor Model E3479 with two magnetic hermetically sealed reed switches.

Class I, Div. 2, Groups A, B, C and D; Class II. Div. 2, Groups F and G:

- "Accutrak" valve position monitor series AT-6 Model 9468 with two magnetic hermetically sealed reed switches.

Notes:

1. Ratings:
 - a. Models with mechanical switches: 10A, 125-250V ac, 1/2A, 125V dc, 1/4A, 250V dc, 5A, 125V ac (tungsten);
 - b. Models with magnetic reed switches: 2217X and 3057: 3W, resistive max, 0.25A max, 125V max 10W, resistive max, 0.5A max, 125V max; 9468, 3479, E3479, 9479 and E9479: 3A, 120V ac, 2A, 24V dc;
 - c. Models with proximity switches: 4A, 120V ac, 0.05A, 24V dc.
 - d. Models with inductive proximity switches: 5-25V dc 3mA max;
2. ASCO solenoid valve, used as a part of "Eliminator" or "Module -3", shall be CSA Certified for use in Class I, Groups C and D; Class II, Groups E, F and G hazardous locations and utilize "M-6", "M-12" or "M-XXX" solenoid enclosure only. Valve input electrical rating shall not exceed 250V, 10A.
3. Temperature code of "Eliminator" or "Module -3", Model E3479 is determined by the temperature code of incorporated ASCO solenoid valve.
4. CSA special enclosure rating of "Eliminator" or "Module -3", Model E3479 is determined by the (CSA Special Enclosure) rating of incorporated ASCO solenoid valve.

- LL Series Solenoid LLabc where a = Type 33, 34 or 44, b = Body A, B, S or T, c = Coil U3 or U4. Type 4X enclosure

Class I, Groups C and D; Class II, Groups E, F and G; CSA Encls 3 and 4:

- Switch Enclosure with shaft, Model 2000, threaded for rigid (3/4 in NPT) conduit connection. All conduit runs must be provided with sealing fitting 450mm of the enclosure.

Class I, Groups A, B, C and D; Class II, Groups E, F and G:

- Model 316 Proximity Switch, rated 3A, 120V ac, 2A, 24V dc.

Class I, Groups C and D; Class II, Groups E, F and G; T3C; CSA Enclosure type 4:

- Valve position monitor (c/w solenoid valve) Models 749M2-S2 and 749M2-S4 with two mechanical switches; Models 749M6-S2 and 749M6-S4 with two magnetic Reed switches.

Class I, Div 2, Groups A, B, C and D; T3C; CSA Enclosure Type 4:

- Valve position monitor (complete with solenoid valve) Models 749M6-S2 and 749M6-S4 with two magnetic hermetically sealed Reed switches.

Notes (pertinent to 749 Models):

1. Ratings: - Models with mechanical switches: 10A, 125-250V ac, 0.5A, 125V dc, 0.25A, 250V dc;
- Models with magnetic Reed switches: 3A, 120V ac, 2A, 24V ac.
2. Solenoid valves are as described in the corresponding Certification Report with the following input ratings: 24V dc, 1.1W; 120V ac, 50/60Hz, 240V ac, 50/60Hz, 1.3W.

Class I, Div 2, Groups A, B, C and D; T3C; CSA Enclosure Type 4X:

- Valve position monitor (complete with solenoid valve) Models 777-xx-M6 and 777-xx-M7 with two magnetic hermetically sealed reed switches; max ambient 60C, MWP 120 psi.

Notes:

1. Ratings: Models with magnetic reed switches: 3A, 120V ac, 2A, 24V ac.
2. Solenoid valves are as described in the corresponding Certification Report with the following input ratings: 24V dc, 0.53W; 120V ac, 60Hz, 110V ac, 50Hz, 3.5W.

Class I, Div 2, Groups A, B, C & D; Class II, Div 2, Groups F & G; Class III; Enclosure Type 4X

- Network Valve Monitors, Model 7244, input rated 24 Vdc, 120 mA; Model 7344, input rated 9-32 Vdc, 24 mA; Model 7444, input rated 24V dc, 120mA; Model 7544, input rated 24V dc, 120mA; Model 7644, input rated 24 Vdc, 60 mA & Model 7744, input rated 50 mA ; -20C to +60C Ambient, Temperature Code T4.
- Network Valve Monitors, AVID Series, Model ZRP, input rated 24 Vdc, 120 mA; Model ZRF, input rated 9-32 Vdc, 24 mA; Model ZRM, input rated 24V dc, 120mA; Model ZRD, input rated 24 Vdc, 60 mA & Model ZRA, input rated 50 mA; -20C to +60C Ambient, Temperature Code T4.

Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups F & G; Class III; Type 4X

K10 Series Valve Positioner Model K10NAabc0 and AVID Series Valve Positioner Model EZ040D0N, 4-20mA @ 18-24 VDC, Maximum Ambient Temperature 85°C, Temperature Code T4

a = Mounting: S or N

b = Supply Pressure: H or L

c = Manifold: 0, 3, or 6

- Valve Positioner, Models; ICoT 5210 NI, 5230 NI, 5310 NI, 5330 NI and AVID SMARTCAL NI; input rated 18-24 Vdc, 4-20mA; Temp. Code T4; Max Ambient 80 Deg C; MWP 120 psi.

Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Encl. Type 4X:

- Valve Positioner, Models ICoT 5210 IS, 5230 IS, 5310 IS, 5330 IS and AVID SMARTCAL IS; input rated 18-24 Vdc, 4-20mA; intrinsically safe when connected through CSA Certified safety barriers as per I.S. Installation drawing WD-10836; Temp. Code T4; Max Ambient 80 Deg C; MWP 120 psi.

Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Encl. Type 4X:
Exia IIC T4; Class I, Zone 0:

- Valve Positioner, ICoT 5210 IS, 5230 IS, 5310 IS, 5330 IS and AVID SMARTCAL IS; input rated 18-24 Vdc, 4-20mA; intrinsically safe with Entity parameters: $V_{max}/U_i = 30V$, $I_{max}/I_i = 100 \text{ mA}$, $P_{max}/P_i = 0.75 \text{ W}$, $C_i = 120 \text{ pF}$, $L_i = 0$; as per I.S. Installation drawing WD-10836; Temp. Code T4; Max Ambient 80 Deg C; MWP 120 psi.

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