

Technical
specification



ENM-10 Level regulator

FLYGT
a xylem brand

For density g/cm ³	Regulator length mm (in.)	Diameter mm (in.)
1.30–1.40	130 (5 2/16)	100 (4)
1.40–1.50	126 (5)	100 (4)

Weight: approx. 2 kg (4.5 lb) for a standard density regulator with 20 m cable.

Approvals

CE, CSA, SEMKO, NEMKO, DEMKO, EX

LVD approval according to EN61058

CSA approval: Cert no. 1330172

Cl.I Zone 0, Gr. IIC;

CL.I Div.1 Gr A, B, C&D

Cl.II Gr. E, F&G

Cl.III when installed to the certified Intrinsically Safe relay, Ex ia, rated for the locations per submitter control drawing and installation manual.: CE, CSA, SEMKO, NEMKO, DEMKO

Ex approval

IECEX ia IIC T4 Ga: -20°C < Ta < 60°C

IECEX NEMKO 09.008

ATEX II 1G ia IIC T4

NEMKO 10ATEX 1082

The applied standards are:

EN 60079-0:2009/IEC 60079-0:2007

EN 60079-11:2007/IEC 60079-0:2006

EN 60079-26:2007/IEC 60079-26:2006

Intrinsically safe circuits are required for the automatic control system. - Use a EX-safety barrier (e.g. Prod. no. 84 01 07).



Figure 1

Wiring alternative

To conform to local regulations, the level regulators are normally connected through a transformer to a low-tension control circuit.

Two regulators are used; one for starting and one for stopping. A third regulator can be connected if an alarm is required at a given level.

Identical regulators can be used for all functions.

PRODUCT RANGE

Version	For density (g/cm ³)	Color of level switch	Length of cable (m)	Type of cable	Approvals	For market	Notes
582 88 34	1.30 - 1.40	Blue	20	2	CE	USA	
582 88 35	1.40 - 1.50	Blue	20	2	CE	USA	
582 88 36	0.95 - 1.10	Grey	30	5	CSA/CE	Canada	
582 88 37	0.95 - 1.10	Grey	50	5	CSA/CE	Canada	
582 88 38	0.95 - 1.10	Grey	100	5	CSA/CE	Canada	
582 88 39	0.95 - 1.10	Grey	150	5	CSA/CE	Canada	
582 88 51	0.95 - 1.10	Red	65	3	CE		
582 88 52	0.95 - 1.10	Red	6	3	CE		
582 88 53	0.95 - 1.10	Red	13	3	CE		
582 88 54	0.95 - 1.10	Red	20	3	CE		
582 88 55	0.95 - 1.10	Red	6	3	CSA/CE	Canada	
582 88 56	0.95 - 1.10	Red	13	3	CSA/CE	Canada	
582 88 57	0.95 - 1.10	Red	20	3	CSA/CE	Canada	
582 88 58	0.95 - 1.10	Red	6	4	CE	USA	
582 88 59	0.95 - 1.10	Red	13	4	CE	USA	
582 88 60	0.95 - 1.10	Red	20	4	CE	USA	
582 88 70	0.65 - 0.80	Blue	20	5	CE		
582 88 71	0.80 - 0.95	Blue	20	5	CE		
582 88 72	0.95 - 1.10	Blue	6	5	CE		
582 88 73	0.95 - 1.10	Blue	13	5	CE		
582 88 74	0.95 - 1.10	Blue	20	5	CE		
582 88 75	1.05 - 1.20	Blue	20	5	CE		
582 88 76	1.20 - 1.30	Blue	20	5	CE		
582 88 77	1.30 - 1.40	Blue	20	5	CE		
582 88 78	1.40 - 1.50	Blue	20	5	CE		
582 88 79	0.95 - 1.10	Blue	65	1	CE		
582 88 80	0.95 - 1.10	Blue	30	1	CE		
582 88 81	0.95 - 1.10	Blue	50	1	CE		
582 88 82	0.95 - 1.10	Grey	30	1	CSA/CE	Canada	
582 88 83	0.95 - 1.10	Grey	50	1	CSA/CE	Canada	
582 88 84	0.95 - 1.10	Blue	30	2	CE	USA	
582 88 85	0.95 - 1.10	Blue	50	2	CE	USA	
582 88 86	0.95 - 1.10	Red	30	3	CE		
582 88 87	0.95 - 1.10	Red	50	3	CE		
582 88 90	0.95 - 1.10	Blue	30	5	CE		
582 88 91	0.95 - 1.10	Blue	50	5	CE		
582 88 92	0.95 - 1.10	Red	6	3	CE	Japan	
582 88 93	0.95 - 1.10	Red	13	3	CE	Japan	
582 88 94	0.95 - 1.10	Red	20	3	CE	Japan	