

# TECHNICAL INFORMATION

## Long distance operators charts

### LDOS | Long distance operating solenoid

Number of solenoids that operate simultaneously as a function of wire cross-sectional [mm <sup>2</sup> ] area and distance [mt] from energy source				
Distance in meters from energy source	WIRE CROSS-SECTIONAL AREA [mm <sup>2</sup> ]			
	0.50	1.00	1.50	2.50
200	12	25	38	65
400	6	12	19	40
600	4	8	12	21
800	3	6	9	16
1,000	2	5	7	13
1,500	1	3	5	9
2,000	1	2	3	6
2,500	1	2	3	5
3,000		1	2	4
3,500		1	2	4
4,000		1	2	3
5,000		1	1	2
6,000			1	2
7,000			1	1
8,000			1	1
9,000				1
10,000				1

Wire's maximum resistance for one solenoid is 175Ω

For further technical information, please refer to product pages in Solenoid Valves | Special purpose section.



LDOS | assembled with GEM-S solenoid

### G75-LDO | Long distance operator 2 Way, 3 Way NC, NO

### GEM-LDO | Long distance operator 2 Way, 3 Way NC, NO

Number of solenoids that operate simultaneously as a function of wire cross-sectional [mm <sup>2</sup> ] area and distance [mt] from energy source				
Distance in meters from energy source	WIRE CROSS-SECTIONAL AREA [mm <sup>2</sup> ]			
	0.50	1.00	1.50	2.50
200	24	56	78	130
400	12	28	39	65
600	8	18	26	43
800	6	14	19	32
1,000	4	11	15	26
1,500	3	7	10	17
2,000	2	5	7	13
2,500	2	4	6	10
3,000	1	3	5	8
3,500	1	3	4	7
4,000	1	2	3	6
5,000	1	2	3	5
6,000		1	2	4
7,000		1	2	3
8,000		1	1	3
9,000		1	1	2
10,000		1	1	2

Wire's maximum resistance for one solenoid is 390Ω

For further technical information, please refer to product page in Solenoid Valves | Special purpose section.



G75-LDO | assembled with G75-A operator & solenoid



GEM-LDO | assembled with GEM-A solenoid