



Handlevers

- Lengths from 120 to 400 mm / from 4.72 to 15.75 in with thread M8, M10, M12
- Available with different models of handles

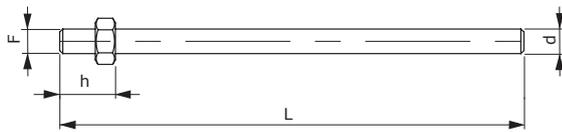
General features

Rod material	zinc-coated steel
Knob material	thermoplastic or thermosetting resins
Ambient temperature	from -20°C to 60°C / from -4°F to 140°F

NOTE - For different conditions, please contact our Sales Dept

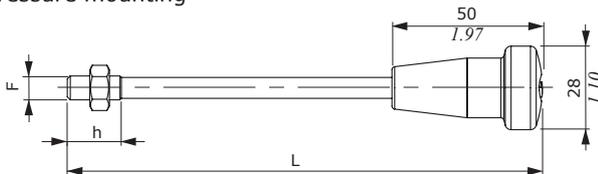
Without microswitches

AL00: without handles



F	h (thread)	L	d	Code
M8	19-0.75	120-4.72	8-0.31	170011214
		150-5.91		170011215
		200-7.87		170011220
		250-9.84		170011225
M10	24-0.94	150-5.91	10-0.39	170012215
		200-7.87		170012220
		250-9.84		170012224
		300-11.8		170012230

AL02: black moulded thermoplastic resin knob with pressure mounting



F	h (thread)	L	Code
M8	18-0.71	159-6.26	170011216
M10	22-0.87	159-6.26	170012016
		209-8.23	170012022
M12	28-1.10	219-8.62	170013021

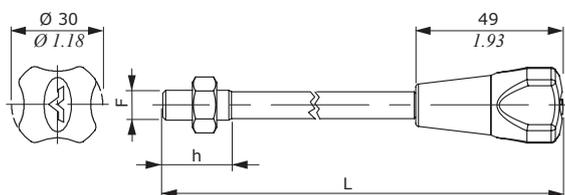
AL01: black cylindrical thermoplastic resin knob with pressure mounting



F	h (thread)	L	d	m	Code
M8	18-0.71	127-5.00	20-0.98	50-1.97	170011012
		157-6.18			170011015
		206-8.11			170011020
M10	22-0.87	256-10.1	22-0.87	60-2.36	170011226
		306-12.0			170011230
		356-14.0			170011236
		406-16.0			170011241
		156-6.14			170012015
		206-5.00			170012020
		256-10.1			170012025
306-12.0	170012030				
M12	28-1.10	356-14.0	26-1.02	72-2.83	170012035
		406-16.0			170012040
		206-8.11			170013020
		256-10.1			170013025
M16	40-1.57	306-12.0	31-1.22	102-4.02	170013030
		356-14.0			170013035
		406-16.0			170013040
M16	40-1.57	355-1.38	31-1.22	102-4.02	170015030
		405-15.9			170015035
		455-17.9			170015040

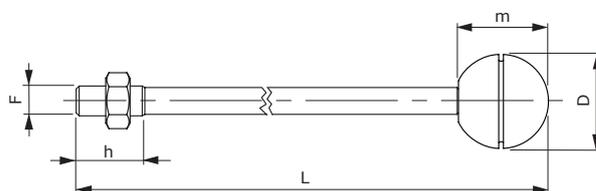
Without microswitches

AL03: red moulded thermoplastic resin knob with pressure mounting



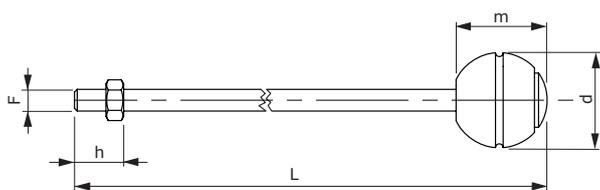
F	h (thread)	L	Code
M8	18-0.71	158-6.22	170011217
M10	22-0.87	158-6.22	170012017
		208-8.19	170012023

AL04: black spherical thermosetting resin knob with pressure mounting



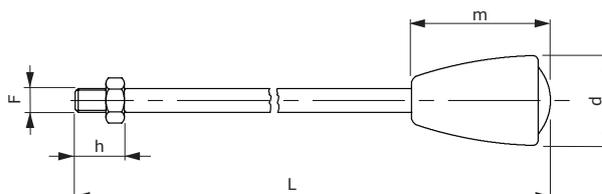
F	h (thread)	L	d	m	Code
M10	22-0.87	210-8.27	30-1.18	28-1.10	170012223
		260-10.2			170012226
M12	28-1.10	220-8.66	40-1.57	38.5-1.52	170013019
		270-10.6			170013027

AL06: black spherical thermosetting resin knob with portlight and pressure mounting



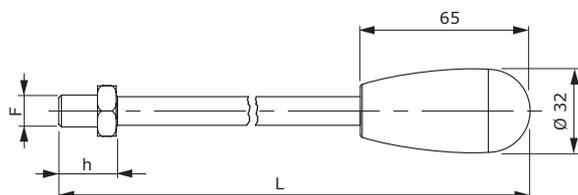
F	h (thread)	L	d	m	Code
M8	19-0.75	220-8.66	35-1.38	33.5-1.32	170011255
M10	22-0.87	220-8.66	40-1.57	38.5-1.52	170012221

AL07: black ogival thermosetting resin knob with portlight and pressure mounting



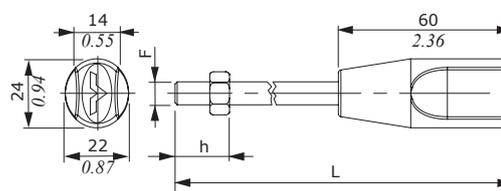
F	h (thread)	L	d	m	Code
M8	19-0.75	163-6.42	32-1.26	45-1.77	170011219
		213-8.39			170011222
M10	22-0.87	224-8.82	32-1.26	49-1.93	170012222

AL08: Black ogival thermosetting resin knob with M10 thread mounting



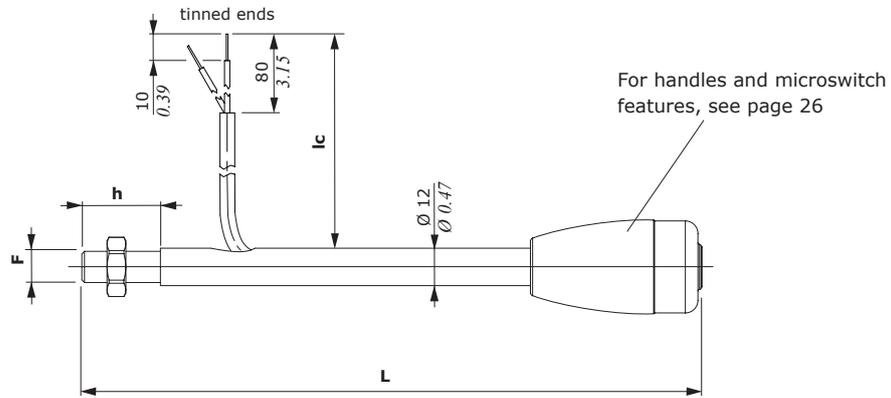
F	h (thread)	L	Code
M12	22-0.87	160-6.30	170013115
		210-8.27	170013120
		260-10.2	170013125
		310-12.2	170013130
		361-14.2	170013135

AL11: black thermoplastic resin knob, injection molded on rod



F	h (thread)	L	Code
M8	19-0.75	162-6.38	170408150
		212-8.35	170408200
		250-9.84	170408250
M10	24-0.94	165-6.50	170410150
		215-8.46	170410200
		265-10.4	170410250

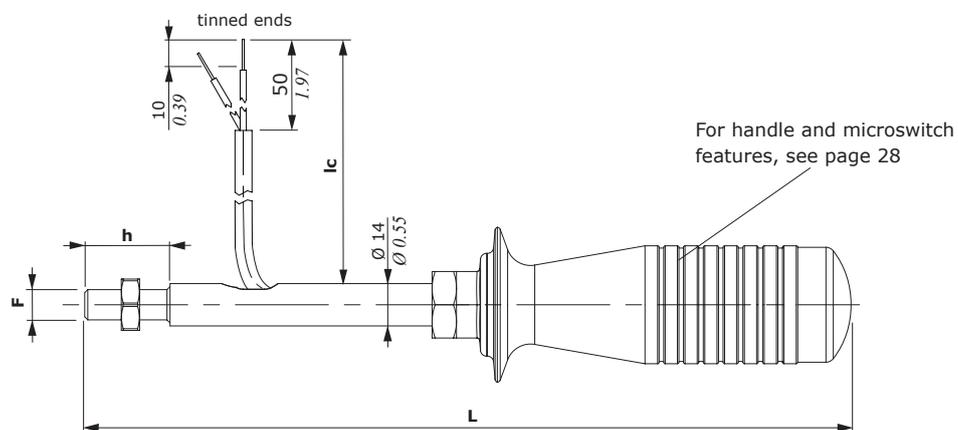
With microswitch and J series handle



Type	Knob (page 32)	h (thread)	F=M10			F=M12			
			L	lc	Code	h (thread)	L	lc	Code
AL24	type JJ	25-0.98	150-5.91	480-18.9	1702J2415	25-0.98	200-7.87	430-16.9	1702J3420
			200-7.87	430-16.9	1702J2420		250-9.84	380-15.0	1702J3425
AL25	type JL	25-0.98	150-5.91	480-18.9	1702L2415	25-0.98	200-7.87	430-16.9	1702L3420
			200-7.87	430-16.9	1702L2420		250-9.84	380-15.0	1702L3425
AL26	type JM	25-0.98	150-5.91	480-18.9	1702M2415	25-0.98	200-7.87	430-16.9	1702M3420
			200-7.87	430-16.9	1702M2420		250-9.84	380-15.0	1702M3425
AL27	type JN	25-0.98	150-5.91	480-18.9	1702N2415	25-0.98	200-7.87	430-16.9	1702N3429
			200-7.87	430-16.9	1702N2420		250-9.84	380-15.0	1702N3425
AL28	type JP	25-0.98	150-5.91	480-18.9	1702P2415	25-0.98	200-7.87	430-16.9	1702P3420
			200-7.87	430-16.9	1702P2420		250-9.84	380-15.0	1702P3425
AL29	type JQ	25-0.98	150-5.91	480-18.9	1702Q2415	25-0.98	200-7.87	430-16.9	1702Q3420
			200-7.87	430-16.9	1702Q2420		250-9.84	380-15.0	1702Q3425

NOTE - For uncoded configurations or cables with no standard lenght, contact our Sales Dept.

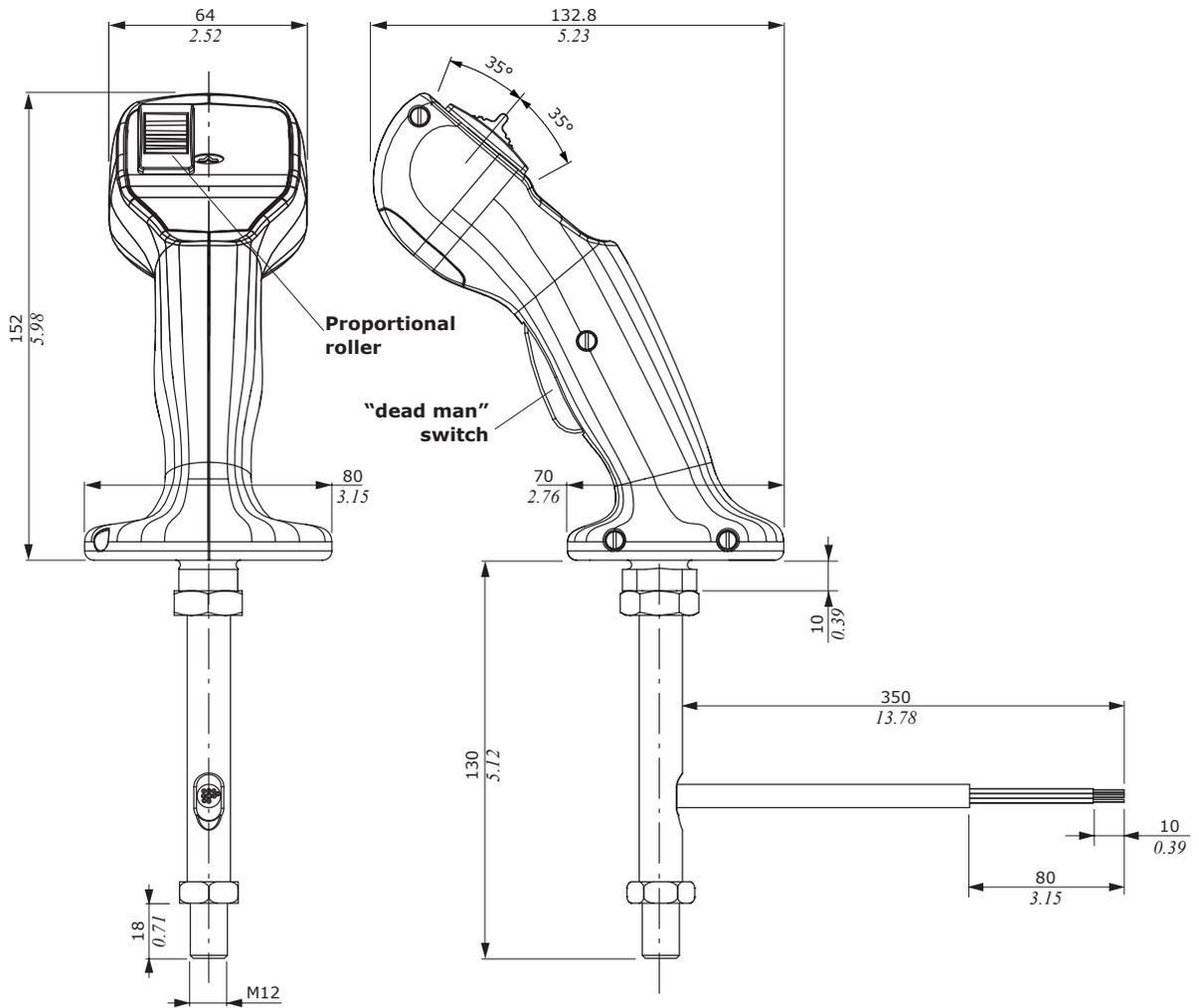
With microswitch and 10 Series handle



Tipo	Knob (page 34)	F=M10				F=M12			
		h (thread)	L	lc	Code	h (thread)	L	lc	Code
AL14	tipo W	28-1.10	250-9.84	/	1701W2525	25-0.98	250-9.84	/	1701W3520
			250-9.84	425-16.7	1701X2525		250-9.84	425-16.7	1701X3525
AL15	tipo X	25-0.98	300-11.8	375-14.8	1701X2530	25-0.98	300-11.8	375-14.8	1701X3530
			350-13.8	325-12.8	1701X2535		350-13.8	325-12.8	1701X3535
			250-9.84	425-16.7	1701Z2525		250-9.84	425-16.7	1701Z3525
AL16	tipo Z	25-0.98	300-11.8	375-14.8	1701Z2530	25-0.98	300-11.8	375-14.8	1701Z3530
			350-13.8	325-12.8	1701Z2535		350-13.8	325-12.8	1701Z3535
			250-9.84	425-16.7	1701Y2525		250-9.84	425-16.7	1701Y3525
AL17	tipo Y	25-0.98	300-11.8	375-14.8	1701Y2530	25-0.98	300-11.8	375-14.8	1701Y3530
			350-13.8	325-12.8	1701Y2535		350-13.8	325-12.8	1701Y3535
			250-9.84	425-16.7	1701K2525		250-9.84	425-16.7	1701K3525
AL18	tipo K	25-0.98	300-11.8	375-14.8	1701K2530	25-0.98	300-11.8	375-14.8	1701K3530
			350-13.8	325-12.8	1701K2535		350-13.8	325-12.8	1701K3535
			250-9.84	425-16.7	1701T2525		250-9.84	425-16.7	1701T3525
AL19	tipo T	25-0.98	300-11.8	375-14.8	1701T2530	25-0.98	300-11.8	375-14.8	1701T3530
			350-13.8	325-12.8	1701T2535		350-13.8	325-12.8	1701T3535

NOTE - For uncoded configurations or cables with no standard length, contact our Sales Dept.

Handlever with P series handle

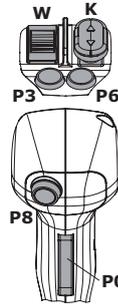
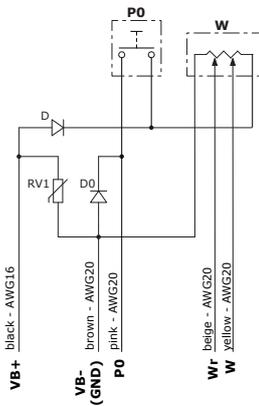


Handlever with P series handle

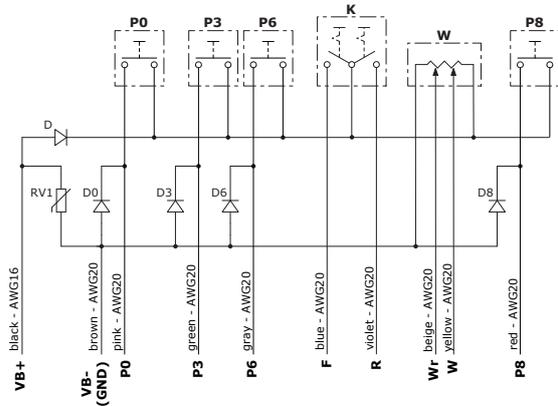
Configurations



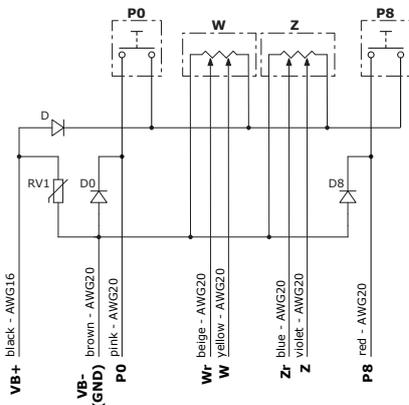
Code	170800068
Description	AL80-PZA0100D0-ORD035-WN130035(RV)-M12x280
Plate	1 proportional roller (W) with redundancy
Frontal zone	"Dead man" switch (P0)
Lever	M12x280



Code	170800035
Description	AL80-PZTM2110C0-ORD035-3R2D035-6R2D035-8R2D035-WN130035-KRS035(RV)-M12x280
Plate	2 push-buttons with spring return (P3-P6), proportional roller (W) with redundancy, FNR rocker switch (K)
Frontal zone	"Dead man" switch (P0), 1 push-button with spring return (P8)
Lever	M12x280



Code	170800036
Description	AL80-PZMM0200B0-ORD035-8R2D035-WN130035-ZN130035-(D2F12)-(TC-PROT)-M12x280
Plate	2 proportional rollers (W-Z) with redundancy
Frontal zone	"Dead man" switch (P0), 1 push-button with spring return (P8)
Lever	M12x280



NOTE - For different joint see page 4.

For different handle configurations, contact our Sales Dept.