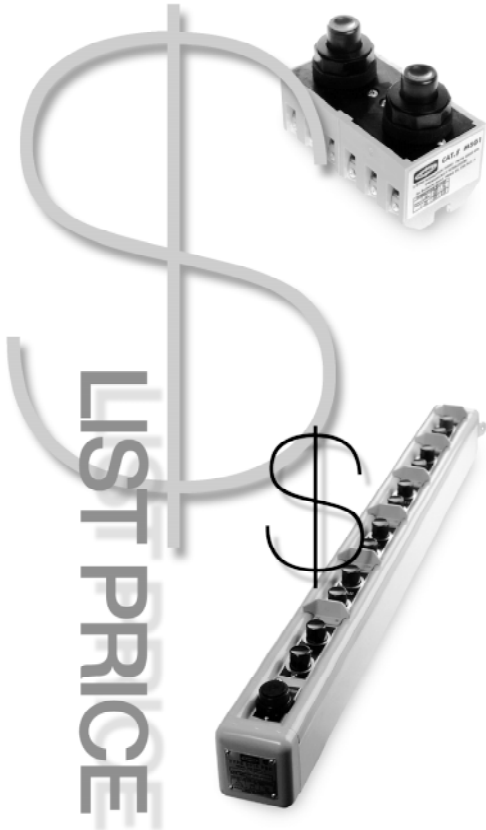


# Euclid™ **Pendants & Pushbuttons**

**2000**

Price List 2000 • September 1997†



**LIST PRICE**

## Options



**Part Number**

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**Discount Schedules**

† Replaces all previous price lists. Prices Are Subject To Change Without Notice.



# HD / S / WP / WSM Pricing

Discount Schedule E21

## Pendant Mounting Enclosure

Length	Type HD - NEMA 1 Enclosure Without Space For Toggle Switch			Type HD - NEMA 1 Enclosure With Space For Toggle Switch			Type WPT - NEMA 3R Enclosure With Space For Toggle Switch		
	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price
2 Buttons	H1	28600-007	\$168	HT1	28600-021	\$212	HW1	28508-002	\$394
4 Buttons	H2	28600-003	\$210	HT2	28600-022	\$254	HW2	28508-004	\$548
6 Buttons	H3	28600-004	\$252	HT3	28600-023	\$358	HW3	28508-006	\$700
8 Buttons	H4	28600-005	\$316	HT4	28600-024	\$506	HW4	28508-008	\$854
10 Buttons	H5	28600-006	\$506	—	—	—	—	—	—

## Surface Mounting Enclosure

Length	Type S - NEMA 1 Enclosure Without Space For Toggle Switch			Type WSM - NEMA 3R Enclosure Without Space For Toggle Switch		
	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price
2 Buttons	S1	28501-002	\$172	WS1	28508-009	\$394
4 Buttons	S2	28501-004	\$216	WS2	28508-011	\$548
6 Buttons	S3	28501-006	\$260	WS3	28508-013	\$700
8 Buttons	S4	28501-007	\$328	WS4	28508-015	\$854

## Rigid Arm Mounting Enclosure†

Size	Type PB4 - NEMA 1 Enclosure			Type WP4 - NEMA 3R Enclosure		
	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price
2 Buttons	R1	17083-000	\$220	WR1	28511-000	\$474

† Cast iron pistol grip enclosure accommodates standard two button inserts only. Conduit entrance will accept 1 1/4" NPT pipe.

## Standard Nameplate Markings\*

Up	Raise	East	On	Open	Lift	Reset	Hoist	Main Hoist
Down	Lower	West	Off	Close	Drop	Inch	Bridge	Aux. Hoist
Fwd	Left	North	Start	Fast	In	Run	Trolley	Power On*
Rev	Right	South	Stop	Slow	Out	Jog	Crane	

\* Specify nameplate marking arrangement. Add \$40 each for special nameplate markings not listed.  
• Standard marking for pilot light only.

## Pushbutton Inserts

Description	For NEMA 1 Encl.		For NEMA 3R Encl.		List Price
	Cat. No.	Part No.	Cat. No.	Part No.	
Single Speed	J1	28599-003	K1	28599-009	\$96
Momentary Start-Stop	J1A	28599-004	K1A	28599-009	\$96
Two Speed	J2	27753-000	K2	26813-000	\$208
Maintained Start-Stop	JM	28509-005	KM	28509-008	\$230
Maintained/Momentary Lift/Drop	JN	28509-001	KN	28509-007	\$208
20A Toggle Switch	JT*	57509-003	—	—	\$276
115V Pilot Light	JP1	28296-002	KP1	28296-002	\$254
240V Pilot Light	JP5	28297-002	KP5	28297-002	\$254
Momentary Reset	JR*	28599-005	KR*	28599-008	\$56

\* JR/KR Reset Unit cannot be mounted adjacent to Pilot Light.— Consult Factory.  
• "Off-On" toggle switch or pushbutton recommended to comply with provisions of NEMA ICS 3-442.15.  
• JT Toggle Switch is mounted at bottom of enclosure.

## Ordering Instructions

Total price of an assembled pushbutton station is obtained by adding the enclosure price and pushbutton insert prices plus pricing for any special nameplate markings required. Standard nameplate markings are included in enclosure price.

### Example Catalog No. HD-1A2

Qty.	Cat. No.	Description	List Price
1	H2	4 Button Enclosure	\$210
1	J1A	Start/Stop Insert Mkd: Start/Stop	\$96
1	J2	2 Speed Insert Mkd: Up-Down-Hoist	\$208

**Total List Price \$514**

• Inquires on special stations should be referred to the local sales office or to the factory.

# PBC / WPBC / XPBC Pricing

## Type PBC Enclosure Discount Schedule E20

NEMA Type 1 Enclosures

Length	Without Space For Toggle Switch			With Space For Toggle Switch		
	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price
2 Buttons	C1	28578-001	\$180	CT1	65012-001	\$228
4 Buttons	C2	28578-002	\$296	CT2	65012-002	\$328
6 Buttons	C3	28578-003	\$412	CT3	65012-003	\$460
8 Buttons	C4	28578-004	\$560	CT4	65012-004	\$600
10 Buttons	C5	28578-005	\$712	CT5	65012-005	\$760
12 Buttons	C6	28578-006	\$900	CT6	65012-006	\$948

## Type WPBC Enclosure Discount Schedule E20

NEMA Type 3R/13 Enclosures

Length	Type WPBC Pendant Mounted			Type SWPBC Surface Mounted		
	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price
2 Buttons	WC1	28581-001	\$412	SWC1	28581-301	\$652
4 Buttons	WC2	28581-002	\$508	SWC2	28581-302	\$792
6 Buttons	WC3	28581-003	\$640	SWC3	28581-303	\$948
8 Buttons	WC4	28581-004	\$784	SWC4	28581-304	\$1,144
10 Buttons	WC5	28581-005	\$940	SWC5	28581-305	\$1,364
12 Buttons	WC6	28581-006	\$1,132	SWC6	28581-306	\$1,600
14 Buttons	WC7	28581-007	\$1,328	SWC7	28581-307	\$1,872

† For NEMA 4 construction add \$204 list and specify voltage for internal space heater.

## Type XPBC Enclosure Discount Schedule E25

NEMA Type 7 Class 1, Group C or D, Div. 1 or 2 Indoor Enclosures. Consult factory for NEMA Type 9 Class 2 Group E, F, G

Length	Type XPBC Pendant Mounting			Type 2XPBC Duplex Pendant Mounting			Type 5XPBC Surface Mounting			
	Cat. No.	Part No.	List Price	Length	Cat. No.	List Price	Length	Cat. No.	Part No.	List Price
2 Buttons	XC1	28595-001	\$828	12 Buttons	2XC3	\$3,220	2 Buttons	SXC1	28595-006	\$934
4 Buttons	XC2	28595-002	\$1,126	16 Buttons	2XC4	\$4,028	4 Buttons	SXC2	28595-007	\$1,232
6 Buttons	XC3	28595-003	\$1,488	20 Buttons	2XC5	\$4,924	6 Buttons	SXC3	28595-008	\$1,594
8 Buttons	XC4	28595-004	\$1,892				8 Buttons	SXC4	28595-009	\$1,998
10 Buttons	XC5	28595-005	\$2,340				10 Buttons	SXC5	28595-010	\$2,446

## Standard Nameplate Markings\*

Up	Raise	East	On	Open	Lift	Reset	Hoist	Main Hoist
Down	Lower	West	Off	Close	Drop	Inch	Bridge	Aux. Hoist
Fwd	Left	North	Start	Fast	In	Run	Trolley	Magnet
Rev	Right	South	Stop	Slow	Out	Jog	Crane	Power On*

\* Specify nameplate marking arrangement. Add \$40 each for special nameplate markings not listed.  
• Standard marking for pilot light only.

## Ordering Instructions

Total price of an assembled pushbutton station is obtained by adding the enclosure price and pushbutton insert prices plus pricing for any special nameplate markings required. Standard nameplate markings are included in enclosure price.

### Example Catalog No. PBC-P1R135T

Qty.	Cat. No.	Description	List Price
1	CT4	8 Button & Toggle Enclosure	\$600
1	P1	110VAC Pilot Light Mkd: Power On	\$230
1	R	Reset Button Mkd: Reset	\$92
1	A1	Single Speed Mkd: Fwd/Bridge/Rev	\$144
1	A3	Three Speed Mkd: Fwd/Trolley/Rev	\$202
1	A5	Five Speed Mkd: Up-Hoist/Down	\$274
1	T	Toggle Switch Mkd: Off-On	\$328

**Total List Price \$1,870**

Refer to your local sales office for special inserts or features.



## Standard Pushbutton Inserts

Description	Type PBC <i>Disc. Sched. E20</i>			Type WPBC <i>Disc. Sched. E20</i>			Type XPBC <i>Disc. Sched. E25</i>		
	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price
Start - Stop	A1A	54601-145	\$144	A1A	54601-145	\$144	X1A	74601-145	\$174
Stop - Start	A1C	54601-148	\$144	A1C	54601-148	\$144	X1C	74601-148	\$174
Single Speed	A1	54601-023	\$144	A1	54601-023	\$144	X1	74601-023	\$174
Two Speed	A2	54602-002	\$202	A2	54602-002	\$202	X2	74602-002	\$232
Three Speed	A3	54603-001	\$202	A3	54603-001	\$202	X3	74603-001	\$232
Four Speed	A4	54604-001	\$274	A4	54604-001	\$274	X4	74604-001	\$304
Five Speed	A5	54605-001	\$274	A5	54605-001	\$274	X5	74605-001	\$304
120VAC Pilot Light	P1	54698-001	\$230	P1	54698-001	\$230	XP1	74698-001	\$382
250VDC Pilot Light	P5	54698-005	\$230	P5	54698-005	\$230	XP5	74698-005	\$382
30A 2-Pole Toggle Switch	T	28484-100	\$328	WT*	28436-102	\$428	XT*	28436-103	\$590
Reset Button	R	54691-150	\$92	R	54691-150	\$92	XR	74691-150	\$107
Maintained Type On-Off	M	54601-036	\$202	M	54601-036	\$202	XM	74601-036	\$232

\*Off-On\* toggle switch or pushbutton recommended to comply with provisions of NEMA ICS 3-442.15. Consult factory for special contact sequences. Requests must include sequence of operation and nameplate markings. \*Note: WT & XT Toggles require two button spaces.

## Special Pushbutton Inserts

Description	Type PBC <i>Disc. Sched. E20</i>			Type WPBC <i>Disc. Sched. E20</i>			Type XPBC <i>Disc. Sched. E25</i>		
	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price	Cat. No.	Part No.	List Price
Alarm Button†	A1-22	54691-022	\$92	A1-22	54691-022	\$92	X1-22	74691-022	\$107
Lift/Drop - Magnet	A1-37	54601-037	\$240	A1-37	54601-037	\$240	X1-37	74601-037	\$270
2 Speed with Overlapping Contacts	A2-3	54602-003	\$202	A2-3	54602-003	\$202	X2-3	74602-003	\$232
Std. 3 Speed with LV (N/C) Circuit	A3-6	54603-006	\$274	A3-6	54603-006	\$274	X3-6	74603-006	\$304
Std. 3 Speed with LV (N/C) & M (N/O) Circuits	A3-12	54603-012	\$346	A3-12	54603-012	\$346	X3-12	74603-012	\$376
4 Speed/Dynamic Lowering - Std. 4121 Hoist	A4-90	54604-090	\$346	A4-90	54604-090	\$346	X4-90	74604-090	\$376
Std. 4 Speed with LV & M Circuits - Std. 4120 Travel	A4-7	54604-007	\$346	A4-7	54604-007	\$346	X4-7	74604-007	\$376
Std. 5 Speed with LV Circuit - Std. 4120 Travel	A5-6	54605-006	\$346	A5-6	54605-006	\$346	X5-6	74605-006	\$376
Std. 5 Speed with LV & M Circuits - Std. 4110 Travel	A5-13	54605-013	\$424	A5-13	54605-013	\$424	X5-13	74605-013	\$454
5 Speed/Dynamic Lowering - Std. 4111 Hoist	A5-380	54605-380	\$424	A5-380	54605-380	\$424	X5-380	74605-380	\$454

† Add \$40 each for special nameplate markings.

## Price Additions For Modifications

Standard modifications of PBC, WPBC & XPBC Pushbutton Stations. Order by modification number and complete specifications.

Description	PBC <i>Disc. Sched. E20</i>		WPBC <i>Disc. Sched. E20</i>		XPBC <i>Disc. Sched. E25</i>	
	Mod. No.	List Price	Mod. No.	List Price	Mod. No.	List Price
Mounting Two Stations Together, Side-By-Side, Including Duplex Tie Straps	M1	\$120	M9	\$120	see 2XPBC Page 3	
Additions of U-Shaped Handle to Bottom Tie Strap	M2	\$196	M10	\$196	M17	\$196
Top Interconnecting Conduit Box For Duplex Station With One Top Conduit Fitting (1-1/2"), Also With Duplex Tie Straps	M3	\$1,130	M11	\$1,200	—	N/A
Addition of Vertical Side Handles To a Single Or Duplex Station	M4	\$210	M12	\$210	M18	\$316
Addition of Complete Circular Guard to Pushbutton Operator	M5	\$120	M13	\$140	—	N/A
Addition of Standard 1-3/4" Diameter Mushroom Head To Pushbutton Operator.	M6	\$42	M14	\$42	M21	\$42
Addition to "W" Wobble Stick To Bottom of Single Station	M7	\$416	M15	\$554	—	N/A
Addition of Euclid 2 or 3 Position Selector Switch To Standard Station Including Nameplate	M8	\$316	M16	\$436	M22	\$558
Double Potentiometer Stepless Insert†	M19D	\$2,000	M20D	\$2,000	M24D	\$2,030
Single Potentiometer Stepless Insert†	M19S	\$1,300	M20S	\$1,300	M24S	\$1,330

Note: For modifications not shown, refer to your local sales office or the factory. † Furnish complete specifications.

Discount Schedule E22

## Enclosure

Length	Cat. No.	Part No.	List Price
2 Buttons	E2	28311-001	\$140
5 Buttons	E4	28311-002	\$206
7 Buttons	E6	28311-003	\$322
9 Buttons	E8	28311-004	\$514

Note: Hanger Brackets, Cable Entrance Bushing, Button Covers, Guards and Standard Indicator Markings are included with each enclosure.

### Standard Indicator Pack

Part No. 71355-001

1- Hoist	1- Bridge	1- Trolley
1- East-West	1- Right-Left	1- North-South
1- Up-Down	1- Reset-Stop	1- Start-Stop
2- Forward-Reverse		

### Optional Indicator Pack

Part No. 71355-002

1- Power	1- On-Off	1- Magnet
1- Lift-Drop	1- Main. Hoist	1- Crane
1- Raise-Lower	1- Aux. Hoist	1- Up-Down
1- In-Out		

Standard indicator pack is included with each enclosure. One optional pack is furnished at no charge if specified. Extra packs are available at \$14 each. Special nameplate markings are available at \$40 each.

## Assembled PBP Stations

Add \$20 per insert for factory assembly, and provide insert and nameplate marking arrangement.

## Ordering Instructions

PBP Unassembled 4 Button Station					
Qty.	Cat. No.	Part No.	Description	List Price	
1	E4	28311-002	4 Button Enclosure	\$206	
1	PL1	57470-070	Pilot Light 120VAC	\$140	
1	PG1	28318-001	Single Speed Insert	\$66	
1	MS2	28316-001	Three Speed Insert	\$148	
2	TB2	28326-000	Terminal Base	\$52	

**Total List Price \$612**

Inquires on special assemblies should be referred to your local sales office or to the factory.

## Kellems Grips

Description	Cord Range	Part No.	List Price
Kellems Grip	0.750" to 0.875"	57459-004	\$84
Kellems Grip	0.875" to 1.00"	57459-003	\$84
Kellems Grip	1.00" to 1.12"	57459-009	\$84
Kellems Grip	1.12" to 1.25"	57459-010	\$84

## Pilot Lights

Description	Cat. No.	Part No.	List Price
Pilot Light 120V AC/DC	PL1	57470-070	\$140
Pilot Light 240V AC/DC	PL2	57470-068	\$140

Pilot light mounts in 30mm hole at top of 5, 7 and 9 button enclosures. Special pilot lights, selector switches, toggle switches, etc. are available. Refer to your local sales office or the factory for additional information.

## Single Speed Plug-In Inserts

Description	Cat. No.	Part No.	List Price	Terminal Base*		
				Cat. No.	Part No.	List Price
Momentary N.O.	PG1	28318-001	\$66	TB2	28326-000	\$26
Momentary N.O. & N.C.	PG2	28318-002	\$102	TB2	28326-000	\$26
Maintained N.O. & N.C.	PG3	28318-003	\$124	TB2	28326-000	\$26
Maintained/Momentary Lift-Drop	PG4	28318-004	\$124	TB2	28326-000	\$26
Momentary/Maintained Start-Stop	PG5	28318-005	\$150	TB2	28326-000	\$26
Momentary Start-Stop	PG6	28318-006	\$102	TB2	28326-000	\$26
Momentary Stop-Start	PG7	28318-007	\$102	TB2	28326-000	\$26

## Multi-Speed Plug-In Inserts

Description	Cat. No.	Part No.	List Price	Terminal Base*		
				Cat. No.	Part No.	List Price
Two and Three Speed	MS2	28316-001	\$148	TB2	28326-000	\$26
Four and Five Speed	MS5	67542-001	\$242	TB5	66718-001	\$62

\* One Terminal Base required for each plug-in insert. PG4 and PG5 inserts have one button maintained and one button momentary. \*Off-On\* buttons recommended to comply with provision of NEMA ICS 3-442.15.

## Enclosures

Pushbutton station enclosures range from 3-button through 11-button units, each including a molded hole plug (MHP2) and label packs for motion and direction nameplates. Enclosures are fully-gasketed, NEMA 4X, CSA and UL Listed.

Cat. No.	Part No.	NEMA 4X Enclosure	ELK1 Label Pack	ELK2 Label Pack	List Price	
					Unassembled	Assembled
ME2	80300-101	3 Buttons	Included	—	\$160	\$196
ME4	80300-201	5 Buttons	Included	—	\$200	\$240
ME6	80300-301	7 Buttons	Included	Included	\$240	\$284
ME8	80300-401	9 Buttons	Included	Included	\$300	\$350
ME10	80300-501	11 Buttons	Included	Included	\$340	\$394

## Ordering Instructions

When ordering, specify:

**Enclosure Part Number, Enclosure Accessories** — Cord Connector Kit, Hole Plug, Label Pack, **Control Inserts** — Pushbutton (One to Five Speed), Selector Switch, Pilot Light, Push/Pull, Toggle Switch, **Insert Accessories** — Interlocks, Rubber Button Covers, Molded Nut Wrench

### Notes

- All inserts, except five speed M5G1, are single button assemblies. Two assemblies are required for each motion. M5G1 is a two button mechanically interlocked assembly.
- When assembled stations are desired, use assembled enclosure price, specify all components and top-to-bottom arrangement including nameplate markings.
- Consult local sales office for items not listed or for assistance in placing your order.

## 2030 Compact Pendant Pricing

Discount Schedule E23

Part No.	Description - Two Button Pendant Station	List Price
59720-002	Single-speed with mechanical interlock between buttons	\$92
59720-102	Momentary - NO/NC without mechanical interlock	\$92
59720-202	Two-speed with mechanical interlock between buttons	\$138
<b>Optional:</b>		
59721-002	Cord Connector Kit, NEMA 4X	\$10

## Enclosure Accessories

Cat. No.	Part No.	Description	List Price
MHP1	80313-100	Hole Plug — Yellow	\$10
MHP2	80313-101	Hole Plug — Black	\$10
ELK1	80318-001	Extra Label Pack for ME2 through ME10	\$4
ELK2	80318-002	Extra label Pack for ME6 through ME10	\$4
CCK1	80820-750	Cord Connector Kit, 3/4" NPT for Cable Dia. 0.62" to 0.87" (15.7 - 22.1mm)	\$56
CCK2	80820-100	for ME2 and ME4 enclosures Cord Connector Kit, 1" NPT for Cable Dia. 0.87" to 1.12" (22.1 - 28.4mm) for ME6, ME8, and ME10 enclosures	\$56
NPB	80830-000	Nameplate Blank — Engravable	\$6
NPX	80830-500	Nameplate with Special Marking	\$40

## Pilot Light Inserts

Cat. No.	Part No.	Voltage (AC/DC)	Color Lens	Type of Bulb	List Price
MPL1R	80324-100	120V	Red	Neon	\$60
MPL1A	80324-101	120V	Amber	Neon	\$60
MPL1G	80324-102	120V	Green	Neon	\$60
MPL2R	80324-210	120V	Red	Incandescent	\$80
MPL2A	80324-211	120V	Amber	Incandescent	\$80
MPL2G	80324-212	120V	Green	Incandescent	\$80
MPL3R	80324-213	250V	Red	Incandescent	\$80
MPL3A	80324-214	250V	Amber	Incandescent	\$80
MPL3G	80324-215	250V	Green	Incandescent	\$80

## Control Inserts

Cat. No.	Part No.	Type of Switch	Description	Operator	Contacts	Notes	List Price
M1G1B	80320-100	▲	One Speed	Black	NO/NC		\$48
M1G1R	80320-101	▲	One Speed	Red	NO/NC		\$48
M1G1G	80320-102	▲	One Speed	Green	NO/NC		\$48
M0G1B	80320-103	▲	One Speed	Black	NO		\$42
MCG1R	80320-104	▲	One Speed	Red	NC		\$42
M0G1G	80320-105	▲	One Speed	Green	NO		\$42
M2G1B	80320-110	▲	Two Speed	Black	2 NO	⑥	\$48
M1G3B	80320-400	▲	One Speed	Black	2 NO/2 NC	①	\$84
M1G3R	80320-401	▲	One Speed	Red	2 NO/2 NC	①	\$90
M1G3G	80320-402	▲	One Speed	Green	2 NO/2 NC	①	\$90
M5S1	80321-100	⊙	Maintained	2 Pos.	2 CKT	⑥	\$70
M5S3LCCR	80321-301	⊙	Maintained	3 Pos.	2 CKT	⑥	\$80
M5S3LCR	80321-302	⊙	Maintained	3 Pos.	3 CKT	⑥	\$80
M5S3LR	80321-303	⊙	Maintained	3 Pos.	2 CKT	⑥	\$80
M5S3SLR	80321-304	⊙	Spring Ret.	3 Pos.	2 CKT	⑥	\$100
M5S3SR	80321-305	⊙	Spring Ret.	3 Pos.	2 CKT	⑥	\$100
M5S3SL	80321-306	⊙	Spring Ret.	3 Pos.	2 CKT	⑥	\$100
M10T	80321-101	▲	Maintained	2 Pos.	NO/NC		\$70
M1G2B	80322-100	▲	One Speed	Black	NO/NC	②	\$70
M1G2R	80322-101	▲	One Speed	Red	NO/NC	②	\$76
M1G2G	80322-102	▲	One Speed	Green	NO/NC	②	\$76
M1G2E	80322-103	▲	One Speed	"Stop"	NO/NC	②	\$80
M1G4B	80322-400	▲	One Speed	Black	2 NO/2 NC	①②	\$112
M1G4R	80322-401	▲	One Speed	Red	2 NO/2 NC	①②	\$112
M1G4G	80322-402	▲	One Speed	Green	2 NO/2 NC	①②	\$112
M1G4E	80322-403	▲	One Speed	"Stop"	2 NO/2 NC	①②	\$116
M1GPPB	80323-100	▲	Push-Pull	Black	NO/NC		\$108
M1GPPR	80323-101	▲	Push-Pull	Red	NO/NC		\$102
M1GPPG	80323-102	▲	Push-Pull	Green	NO/NC		\$108
M1GMB	80323-103	▲	Maintained	Black	NO/NC	③	\$96
M1GMR	80323-104	▲	Maintained	Red	NO/NC	③	\$96
M1GMG	80323-105	▲	Maintained	Green	NO/NC	③	\$96
M5G1	80825-000	▲▲	Five Speed	2 Black	—	①⑥	\$168

## Accessories

Cat. No.	Part No.	Description	List Price	Cat. No.	Part No.	Description	List Price
MABC	80320-115	Add-A-Block — NO/NC Contacts ⑥	\$32	MZI	80325-102	Momentary Mech/Elec Interlock 2 NC	\$70
MABA	80320-116	Add-A-Block — 2 NO Contacts ⑥	\$32	MRI	80325-103	Maintained Reset Interlock ③	\$36
MABB	80320-117	Add-A-Block — 2 NC Contacts ⑥	\$32	MNOW	80325-104	Nut Wrench for 22mm Mush. Head ②	\$24
MLR	80324-800	Red Pilot Light Lens/Nut	\$12	MBB	80325-900	Black Push-Pull Cap 1 3/8"	\$28
MLA	80324-801	Amber Pilot Light Lens/Nut	\$12	MBR	80325-901	Red Push-Pull Cap 1 3/8"	\$28
MLG	80324-802	Green Pilot Light Lens/Nut	\$12	MBG	80325-902	Green Push-Pull Cap 1 3/8"	\$28
MLW	80324-803	White Pilot Light Lens/Nut	\$12	MCB	80325-905	Black Maintained Cap	\$10
MLB	80324-804	Blue Pilot Light Lens/Nut	\$12	MCR	80325-906	Red Maintained Cap	\$10
MLC	80324-805	Clear Pilot Light Lens/Nut	\$12	MCG	80325-907	Green Maintained Cap	\$10
MBNR	80324-900	Bulb Neon Red 120VAC/DC	\$6	MRBB	80325-911	Black Rubber Boot for Standard Button	\$30
MBNG	80324-901	Bulb Neon Green 120VAC/DC	\$6	MRBR	80325-912	Red Rubber Boot for Standard Button	\$30
MBR250	80324-905	Bulb Incandescent Clear 250VAC/DC	\$14	MRBG	80325-913	Green Rubber Boot for Standard Button	\$30
MBR120	80324-906	Bulb Incandescent Clear 120VAC/DC	\$14	MRBY	80325-914	Yellow Rubber Boot for Standard Button	\$30
MBI	80325-100	Mechanical Interlock for M1G, M2G, M0G and MCG inserts	\$26				
MNW	80325-101	Molded Nut Wrench for 22mm Inserts	\$16				

## Type of Switch Symbol Key

- ▲ — Pushbutton Switch
- ⊙ — Selector Switch
- ▲ — Toggle Switch
- ▲ — Mushroom Head Switch

### Notes

- Cannot be mechanically interlocked.
- All mushroom head inserts require #80325-104 molded clamping wrench for installation.
- 2 - M1GM inserts and 1 - MRI interlock required for maintained operation. Maintained and momentary buttons can be combined with MRI interlock.
- This is a two button insert with a mechanical interlock and 6 - N.O. sequential contacts per button. It is CSA approved only.
- Add-A-Block adds extra contacts to standard single deck buttons. However, they cannot be used with mechanical interlocks in pendants due to lack of space.
- See specification booklet for contact sequence.

# Mini-Master Pricing

Discount Schedule E20

4211

Description	Surface Mounting			Flush Mounting		
	Catalog Number Travel Motion	Catalog Number Hoist Motion	List Price	Catalog Number Travel Motion	Catalog Number Hoist Motion	List Price
<b>Standard 1 Speed</b>	4211-123S1S	4211-123S1S	\$640	4211-123S1F	4211-123S1F	\$530
With LV (N/C) Circuit	4211-134S1S	4211-1146S1S	\$700	4211-134S1F	4211-1146S1F	\$590
With M (N/O) Circuit	4211-132S1S	4211-192S1S	\$700	4211-132S1F	4211-192S1F	\$590
With LV&M (N/C & N/O) Circuits	4211-133S1S	4211-133S1S	\$750	4211-133S1F	4211-133S1F	\$640
<b>Standard 2 Speed</b>	4211-202S1S	4211-230S1S	\$700	4211-202S1F	4211-230S1F	\$590
With LV (N/C) Circuit	4211-217S1S	4211-217S1S	\$750	4211-217S1F	4211-217S1F	\$640
With M (N/O) Circuit	4211-218S1S	4211-218S1S	\$750	4211-218S1F	4211-218S1F	\$640
With LV&M (N/C & N/O) Circuits	4211-219S1S	4211-219S1S	\$820	4211-219S1F	4211-219S1F	\$710
<b>Standard 3 Speed</b>	4211-301S1S	4211-3129S1S	\$720	4211-301S1F	4211-3129S1F	\$610
With LV (N/C) Circuit	4211-306S1S	4211-3170S1S	\$790	4211-306S1F	4211-3170S1F	\$680
With M (N/O) Circuit	4211-318S1S	4211-3142S1S	\$790	4211-318S1F	4211-3142S1F	\$680
With LV&M (N/C & N/O) Circuits	4211-312S1S	4211-312S1S	\$840	4211-312S1F	4211-312S1F	\$740
<b>Standard Four Speed</b>	4211-401S1S	4211-482S1S	\$790	4211-401S1F	4211-482S1F	\$680
With LV (N/C) Circuit	4211-407S1S	4211-491S1S	\$840	4211-407S1F	4211-491S1F	\$740
With M (N/O) Circuit	4211-401S1S	4211-482S1S	\$790	4211-401S1F	4211-482S1F	\$680
With LV&M (N/C & N/O) Circuits	4211-407S1S	4211-491S1S	\$840	4211-407S1F	4211-491S1F	\$740
<b>Standard 5 Speed</b>	4211-501S1S	4211-5144S1S	\$860	4211-501S1F	4211-5144S1F	\$750
With LV (N/C) Circuit	4211-506S1S	4211-5147S1S	\$910	4211-506S1F	4211-5147S1F	\$800
With M (N/O) Circuit	4211-509S1S	4211-5186S1S	\$910	4211-509S1S	4211-5186S1F	\$800
With LV&M (N/C & N/O) Circuits	4211-513S1S	4211-5251S1S	\$980	4211-513S1F	4211-5251S1F	\$870

## Modifications

Description	Add
• NEMA 3 or 13 Surface Mounting Construction .....	\$60
• NEMA 4 Flush Mounting Construction .....	\$60
• NEMA 4 Surface Mounting Construction .....	\$160
• Special Nameplate Marking .....	\$40
• Special Contact Sequence – Consult Factory	
• Stepless Potentiometer Operation – Consult Factory	
• Special Features Not Listed – Consult Factory	

## Switch Function Markings\*

Standard markings are included in the price of the enclosure and are:

Up	East	Lift	Main Hoist
Down	West	Drop	Aux. Hoist
Fwd	North	In	Magnet
Rev	South	Out	
Raise	Open	Hoist	
Lower	Close	Bridge	
Left	Fast	Trolley	
Right	Slow	Crane	

\* Non-standard markings are available at \$40 for each marking.

## Ordering Instructions

Total price of a mini-master switch is obtained by totaling the price of a NEMA 1 switch plus any special features. Specify Catalog Number, Options and Nameplate Markings.

### Type of Construction

NEMA Type 1, 3, 4 or 13

### Type of Mounting

Surface Mounting or  
Flush (panel) Mounting

### Type of Operation

Spring Return (Standard) or  
Maintained Position

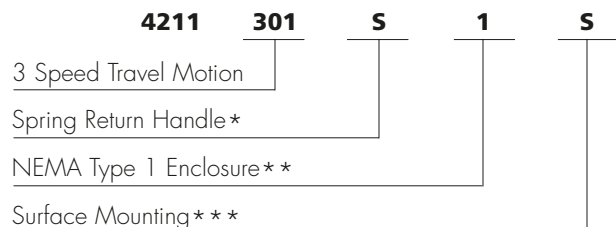
### Handle Arrangements

Right Hand (Standard) or Left Hand

### Stepless Operation

Potentiometer Operation for Stepless  
Control is available. Refer to factory  
with complete information.

### Sample Catalog Number Cat. No. 4211-301S1S



- \* Use "M" for Maintained.
- \*\* Use "3" for NEMA 3, "4" for NEMA 4 and "13" for NEMA 13 enclosure.
- \*\*\* Use "F" for Flush Mounting.



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