

HY-1020 Series

Hoist switch

- Applied to the hoist, crane, power lift of truck, electric lift and etc
- Case is made of the ABS copolymer which has an excellent mechanical intensity and excellent electrical features. Due to the fact, it has an excellent durability from the shock, it is light weight and it protects from the electric shock.
- Manufactured an emergency switch attachment type that can cut OFF the operation power.
- Various contact unit composition which makes to select an electric motor velocity controlling 2 Positions contact unit lock-up, seesaw and momentary operation contact unit.
- Various push buttons so wide application possible



○● Suffix code

| Model | Code | | | | | Description |
|------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|
| HY-102 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Hoist switch |
| No. of switch | 2 | | | | | 2 |
| | 4 | | | | | 4 |
| | 6 | | | | | 6 |
| | 8 | | | | | 8 |
| | 9 | | | | | 9 |
| Emergency button | | | | | | No |
| | S | | | | | Yes |
| Switch unit type | A | A | A | A | | 102A contact unit |
| | B | B | B | B | | 102B contact unit |
| | C | C | C | C | | 102C contact unit |
| | D | D | D | D | | 102D contact unit |
| | E | E | E | E | | 102E contact unit |
| | | | | | | 2 buttons / unit |

* Within the switch unit type, AAAA indication means 4 switch units.

○● Standard model

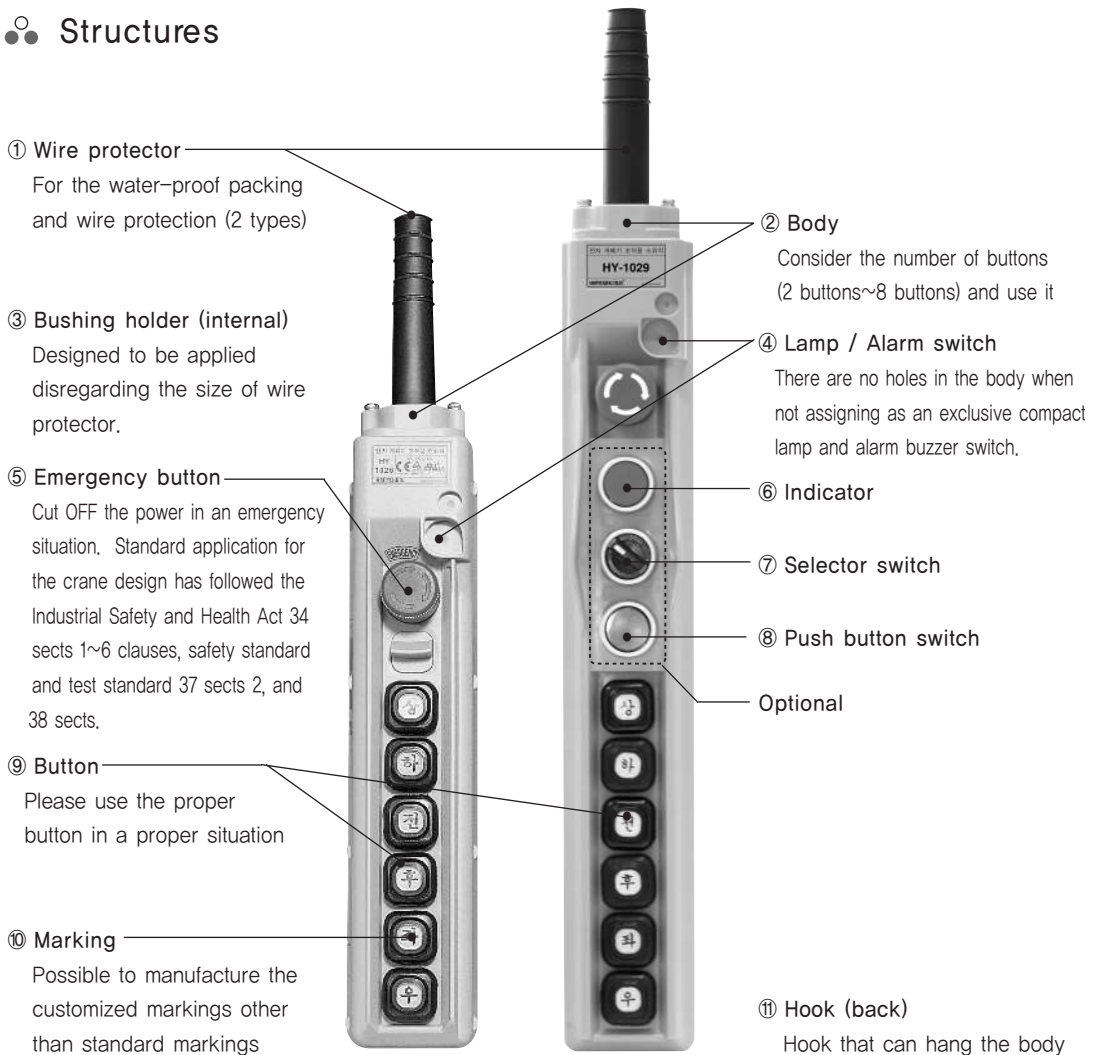
* L : large size cover

| Model | No. of buttons | Standard button marking | Cable bushing |
|---------------|-----------------------------------|--|--|
| HY-1022B | 2 | <input type="button" value="Up"/> <input type="button" value="down"/> | A (Ø10.3 – 13.5) Black rubber angle 40° |
| HY-1022SB(L) | 3 (Included the emergency button) | <input type="button" value="ON"/> <input type="button" value="OFF"/> <input type="button" value="Up"/> <input type="button" value="down"/> | |
| HY-1024AB | 4 | <input type="button" value="Up"/> <input type="button" value="down"/> <input type="button" value="forward"/> <input type="button" value="back"/> | |
| HY-1024BB | 4 | <input type="button" value="Up"/> <input type="button" value="down"/> <input type="button" value="forward"/> <input type="button" value="back"/> | |
| HY-1024SBB(L) | 5 (Included the emergency button) | <input type="button" value="ON"/> <input type="button" value="OFF"/> <input type="button" value="Up"/> <input type="button" value="down"/> <input type="button" value="forward"/> <input type="button" value="back"/> | |
| HY-1026ABB | 6 | <input type="button" value="Up"/> <input type="button" value="down"/> <input type="button" value="forward"/> <input type="button" value="back"/> <input type="button" value="left"/> <input type="button" value="right"/> | A (Ø16.3 – 19.5) Black rubber angle 40° |
| HY-1026BBB | 6 | <input type="button" value="Up"/> <input type="button" value="down"/> <input type="button" value="forward"/> <input type="button" value="back"/> <input type="button" value="left"/> <input type="button" value="right"/> | |
| HY-1026SBBB | 7 (Included the emergency button) | <input type="button" value="ON"/> <input type="button" value="OFF"/> <input type="button" value="Up"/> <input type="button" value="down"/> <input type="button" value="forward"/> <input type="button" value="back"/> <input type="button" value="left"/> <input type="button" value="right"/> | |
| HY-1026SBBB-L | 7 (Included the emergency button) | (* Please refer to the cover size for the L type) | |
| HY-1028ABBB | 8 | <input type="button" value="ON"/> <input type="button" value="OFF"/> <input type="button" value="Up"/> <input type="button" value="down"/> <input type="button" value="forward"/> <input type="button" value="back"/> <input type="button" value="left"/> <input type="button" value="right"/> | |
| HY-1029SBBB | 10(Included the emergency button) | Indicator, selector, push button <input type="button" value="Up"/> <input type="button" value="down"/> <input type="button" value="forward"/> <input type="button" value="back"/> <input type="button" value="left"/> <input type="button" value="right"/> | Possible to change the specification |

●● Button marking types

| | |
|--------------------------|--|
| Standard specification | OFF ON Up down forward back left right 동 서 남 북 |
| Order-made specification | ON 上 下 左 右 東 西 南 北 前 後 열림 닫힘 |
| | OFF UP DW E W S N R L CO DN ↑ ↗ ↖ ↘ |

●● Structures



Control switch
Combination display light

Power switch
Main switch
Cam switch

Limit switch
Micro switch

Hoist switch
Foot switch
Mono lever switch

Sign tower
Signal light

Buzzer
Terminal block
Fuse holder




Control box
Cable connector

Discontinued Products


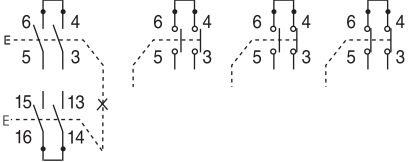

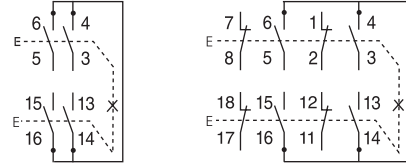
Specification

| | |
|-----------------------|---|
| Rated current | 6 A 250 V a.c |
| | 10 A 250 V a.c emergency switch (push lock–turn reset) |
| Insulation resistance | 100 M Ω (500 V d.c) |
| Dielectric strength | 2000 V a.c. for 1 min (between the recharging part and non–recharging part) |
| Protective structure | IP–66 suitable (exclude the emergency switch attachment type) |
| Materials | Case : strong shock resistance ABS copolymer |
| | Button and wire protector : special rubber |
| Vibration resistance | 10 – 55 Hz double amplitude 1.0 mm |
| Shock resistance | 500 % |
| Ambient temperature | –10 ~ 45 °C |
| Ambient humidity | 45 ~ 85 % R.H. |

Contact unit

| Model | Appearance | Contact composition | | | Explanation |
|-------|---|---------------------|-----------------------|-----------------------|---|
| 102 A |  | 102A10 (1a) | 102A11 (1a1b) | | ※ On/Off switch • Pressing the On button will turn ON the power and self–maintenance will be performed • Pressing the Off button will turn OFF the power. |
| 102 B |  | 102B20 (1a–1a) | 102B22 (1a1b–1a1b) | | ※ Up/Down, forward/back, left/right • This is for the typical circuit. It is a seesaw type so pressing it synchronously is impossible |
| 102 C |  | 102C11 (1a–1b) | 102C20 (1a–1a) | 102C22 (1a1b–1a1b) | ※ Typical circuit • No mechanical interlock is included, so two buttons can be operated independently. |

HY-1020 series



| Model | Appearance | Contact composition | Explanation |
|-------|---|--|---|
| 102 D |  | <p>102D(2a-2a)</p> <p>neutrality 1 position 2 positions</p>  | <p>※ 2 stages switch</p> <ul style="list-style-type: none"> • Contact separated in 2 stages and operated • Velocity controlling, 2 circuits controlling • Seesaw type so pressing it synchronously is impossible |
| 102 E |  | <p>102E20 (2a-2a)</p> <p>102E22 (2a2b-2a2b)</p>  | <p>※ Typical circuit</p> <ul style="list-style-type: none"> • Max 2a2b-2a2b, 2a-2b • Seesaw type so it is impossible to press it synchronously |

Control switch
Combination display light

Power switch
Main switch
Cam switch

Limit switch
Micro switch

●● Contact unit (emergency switch)


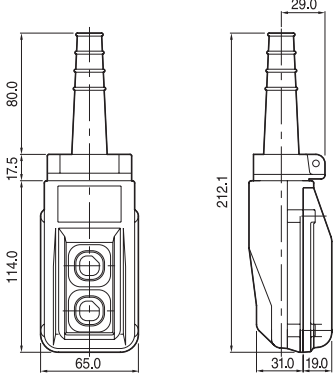
| Model | Appearance | Contact composition | Explanation |
|-------|---|---|--|
| 102 S |  |  | <p>※ Emergency switch (Red) (Push lock-turn reset)</p> <ul style="list-style-type: none"> • Cut off the power when pressing the button (becomes self-maintenance) • It will return once rotating the button to the printing direction. |

Hoist switch
Foot switch
Mono lever switch

Sign tower
Signal light

Buzzer
Terminal block
Fuse holder

●● Dimension (unit : mm)

| Model | Appearance | Dimension |
|-----------|---|--|
| HY-1022 B |  |  |


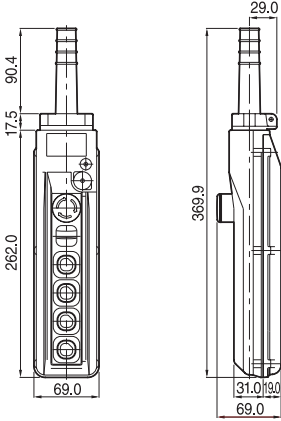

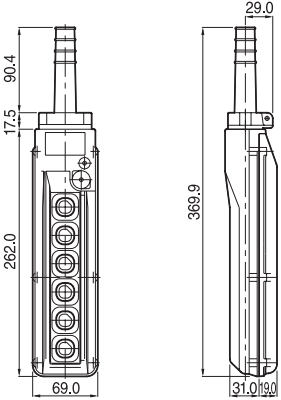

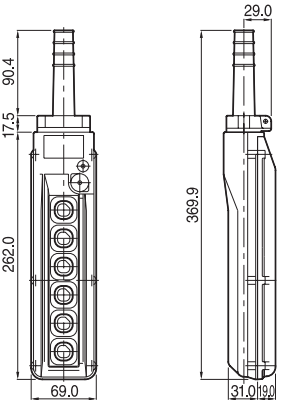
Control box
Cable connector

Discontinued Products

Hoist switch / Foot switch / Mono lever switch

| Model | Appearance | Dimension |
|------------|---|--|
| HY-1022 SB |  |  |
| HY-1024 AB |  |  |
| HY-1024 BB |  |  |

HY-1020 series

| Model | Appearance | Dimension |
|-------------|---|--|
| HY-1024 SBB |  |  |
| HY-1026 ABB |  |  |
| HY-1026 BBB |  |  |

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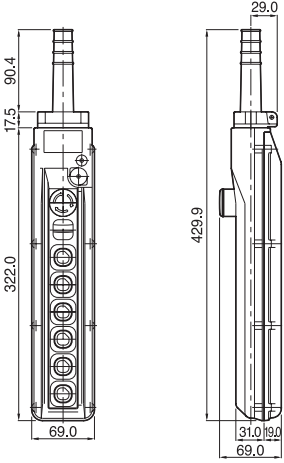

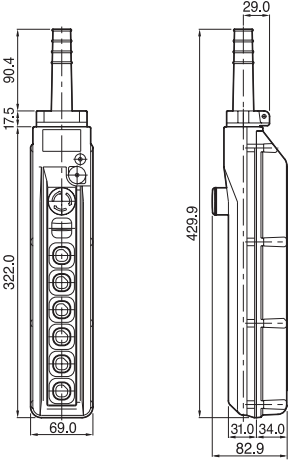

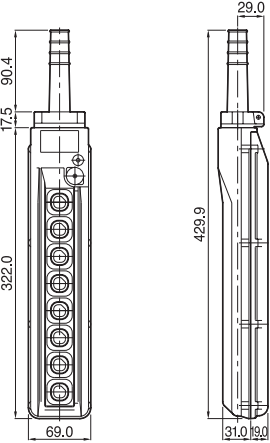
Sign tower
Signal light

Buzzer
Terminal block
Fuse holder


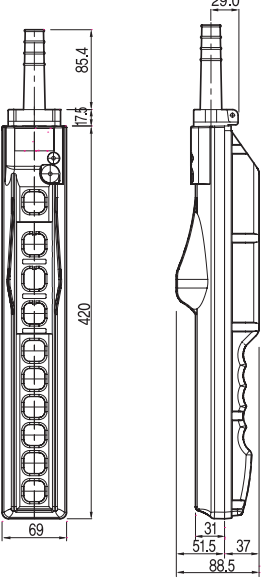
Control box
Cable connector

Discontinued Products

Hoist switch / Foot switch / Mono lever switch

| Model | Appearance | Dimension |
|-------------------------------------|---|--|
| HY-1026 SBBB |  |  |
| HY-1026 SBBB-L (L : large cover) |  |  |
| HY-1028 ABBB |  |  |

HY-1020 series

| Model | Appearance | Dimension |
|--------------|---|--|
| HY-1029 SBBB |  |  |

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