

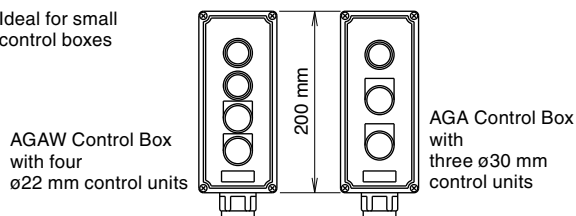
AGAW Series Control Stations

IP65 Waterproof Aluminum Control Stations for ø22 mm Control Units

AGAW control stations are designed for mounting IDEC ø22 mm (7/8 inch) control units.

- Various control stations are available from one to four holes with most widely used combinations of control units (contact configurations, voltage, button colors, and nameplates).
- Enclosures only are also available, in which specifically selected TW series control units can be installed.

Ideal for small control boxes



- HW series can also be installed.



Specifications

Degree of Protection (Note)	IP65 (IEC60529) (Key selector switch: Splash-proof IP54)
Material (Box)	Aluminum alloy die-cast
Coating Color (Melamine coating)	Yellow semi-gloss (Munsell 5Y7/1, outside only)
Rated Insulation Voltage	600V
Insulation Resistance	5 MΩ minimum
Dielectric Strength	Between live and dead parts: 2500V AC, 1 minute
Standard Operating Conditions	Ambient temperature: -25 to +50°C (no freezing) Relative humidity: 45 to 85% (no condensation)
Style	Wall mount (1 to 4 holes) Pole mount (1 to 4 holes)
Cable Lead-in (Wall Mount)	Entrance hub 1 to 3 holes: HNA22 G3/4 (22 mm) 4 to 5 holes: HNA33 G1 (28 mm)
Applicable Control Units	IDEC ø22 mm TW series control units

Note: The degree of protection depends on the control units mounted in the enclosure. When IP65 control units are mounted, the entire control station has IP65 characteristics. (See page 1535)

Contact Ratings (Contact Block)

Contact Block	Rated Insulation Voltage	600V
	Rated Thermal Current	10A
	Contact Ratings by Utilization Category IEC60947-5-1	AC-15 (A600) DC-13 (P600)

Operational Voltage and Current by Utilization Category

Operational Voltage			24V	48V	50V	110V	220V	440V
Operational Current	AC (50/60Hz)	AC-12 Control of resistive loads and solid state loads	10A	—	10A	10A	6A	2A
		AC-15 Control of electromagnetic loads (>72VA)	10A	—	7A	5A	3A	1A
	DC	DC-12 Control of resistive loads and solid state loads	8A	4A	—	2.2A	1.1A	—
		DC-13 Control of electromagnets	4A	2A	—	1.1A	0.6A	—

Common

Minimum applicable load (reference) = 3V AC/DC, 5mA (the applicable range is subject to change according to the operating conditions)

Control Unit Mounting Holes

The holes for mounting control units are 22.2 mm in diameter with an anti-rotation notch. Mounting centers are 50 mm on 2- and 3-hole enclosures, and 36 mm on 4-hole enclosures.

Waterproof Bushing

Four plastic bushings are provided inside the corners for mounting screws to secure the control station on a panel surface.

Lead-in Fittings (Wall Mount)

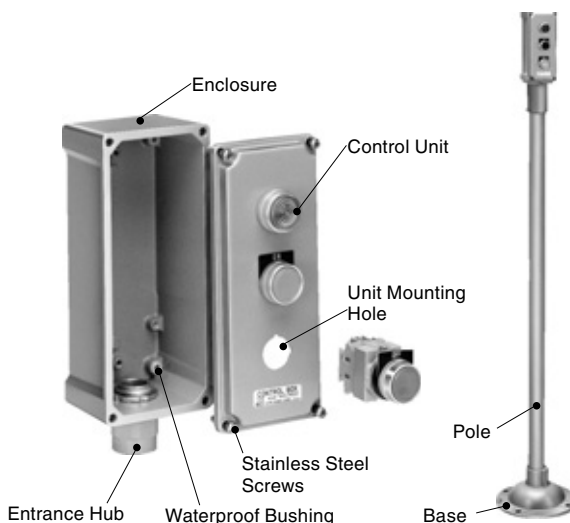
An entrance hub made of aluminum is supplied for connecting a steel conduit to lead in cables.

- 1 to 3 holes: With HNA22 G3/4 for 22 mm conduit
- 4 holes: With HNA33 G1 for 28 mm conduit

HNA22 gland hubs for lead in cables are also available.

Stand Pole (Pole Mount)

The pole is made of carbon steel pipe, and the base is made of cast iron. The coating color is the same as the enclosure, yellow (semi-gloss).



AGAW Series Control Stations

Control Stations with Control Units

The control stations are available with a selected combination of control units as listed below. For the dimensions and mounting centers, see the figures on page 1552.

Control Unit	Part No.	Specifications
Pushbutton (PB)	ABW110 *	Flush, 1NO
	ABW101 *	Flush, 1NC
	ABW111 *	Flush, 1NO-1NC
	ABW411 *	ø40 mushroom, 1NO-1NC
Pilot Light (PL) (Incandescent)	APW116 *	Round flush, 110V AC
	APW126 *	Round flush, 220V AC
Selector Switch (SS)	ASW211	Knob, 2-position, 1NO-1NC
	ASW320	Knob, 3-position, 2NO
	ASW2K11	Key, 2-position, 1NO-1NC

Note: Specify a button or lens color code in place of * :

Pushbutton: B (black), G (green), R (red)

Pilot Light: G (green), R (red), W (white)

Control Stations

Package Quantity: 1

Control Station		Mounted Control Units		
Style	Part No.	Symbol	Part No.	NWA Nameplate Legend
Wall Mount / 1 hole	AGAW1101Y		ABW110B	ON
	AGAW1102Y		ABW411R	Without nameplate
	AGAW1105Y		ASW211	HAND-AUTO
	AGAW1107Y *		ASW2K11	OFF-ON
Pole Mount / 1 hole	AGAW1101SY		ABW110B	ON
	AGAW1102SY		ABW411R	OFF
Wall Mount / 2 holes	AGAW2101Y		ABW110B ABW101R	ON OFF
	AGAW2102Y		ABW111B ABW111R	ON OFF
	AGAW2103Y		APW116R APW116G	Without nameplate
	AGAW2104Y		APW126R APW126G	Without nameplate
	AGAW2105Y		APW116R ABW111R	Without nameplate STOP
	AGAW2106Y		APW126R ABW111R	Without nameplate STOP
	AGAW2107Y		APW116R ASW211	Without nameplate HAND-AUTO

Degree of protection marked with * is splash-proof IP54.

Control Station		Mounted Control Units		
Style	Part No.	Symbol	Part No.	NWA Nameplate Legend
Wall Mount / 2 holes	AGAW2108Y		APW126R ASW211	Without nameplate HAND-AUTO
	AGAW2109Y *		APW116R ASW2K11	Without nameplate OFF-ON
	AGAW2110Y *		APW126R ASW2K11	Without nameplate OFF-ON
	AGAW2113Y		ABW110B ABW411R	ON Without nameplate
Pole Mount / 2 holes	AGAW2101SY		ABW110B ABW101R	ON OFF
Wall Mount / 3 holes	AGAW3102Y		APW116R ABW110B ABW101R	Without nameplate ON OFF
	AGAW3103Y		APW126R ABW110B ABW101R	Without nameplate ON OFF
	AGAW3104Y		ABW111B ABW111R ASW211	ON OFF HAND-AUTO
Pole Mount / 3 holes	AGAW3102SY		APW116R ABW110B ABW101R	Without nameplate ON OFF
	AGAW3104SY		ABW111B ABW111R ASW211	ON OFF HAND-AUTO
Wall · Pole / 4 holes	Wall Mount AGAW4101Y		APW126R APW126G ABW111B ABW111R	Without nameplate Without nameplate ON OFF
	Pole Mount AGAW4101SY			
	Wall Mount AGAW4102Y		APW126R ABW111B ABW111R ASW211	Without nameplate ON OFF HAND-AUTO
	Pole Mount AGAW4102SY			

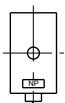


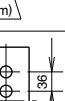
Degree of protection marked with * is splash-proof IP54.

Flush Silhouette
Switches & Pilot Lights
Display Lights
LED Illumination Units
Display Units
Safety Products
Terminal Blocks
Comm. Terminals
AS-Interface
Relays & Timers
Sockets
Circuit Protectors
Power Supplies
PLCs & SmartRelay
Operator Interfaces
Sensors
Control Stations
Explosion Protection
References

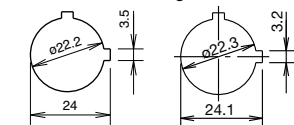
AGAW Series Control Stations

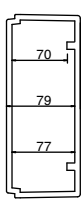
Empty Enclosures

Package Quantity: 1

Style	Part No.	Unit Mounting Hole	Control Unit Mounting Centers
1 hole (approx. 0.6 kg)	AGAW211Y	With	 Hub HNA22 G3/4 (22mm)
	AGA210Y	Without	
2 holes (approx. 0.6 kg)	AGAW212Y	With	 Hub HNA22 G3/4 (22mm)
3 holes (approx. 0.7 kg)	AGAW313Y	With	 Hub HNA22 G3/4 (22mm)
	AGA310Y	Without	
4 holes (approx. 0.7 kg)	AGAW314Y	With	 Hub HNA33 G1 (28mm)
4 holes (approx. 0.9 kg)	AGAW514Y	Without	
5 holes (approx. 0.9 kg)	KGNW515Y	With	
	KGN510Y	Without	

Control Unit Mounting Hole Effective Depth inside the Enclosure





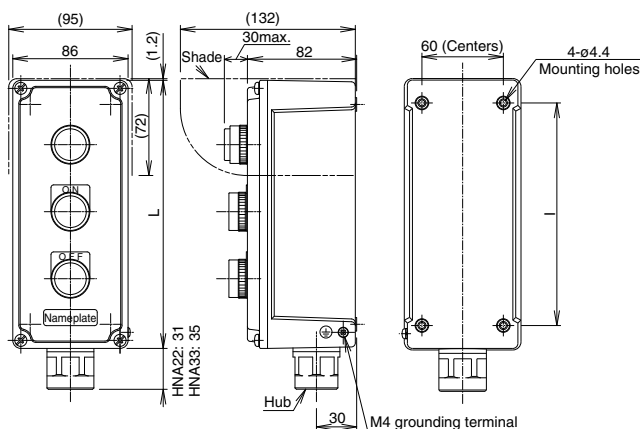
Standard

An entrance hub is supplied.
 1 to 3 holes: With HNA22 G3/4 for 22 mm conduit
 4 holes: With HNA33 G1 for 28 mm conduit

Dimensions

All dimensions in mm.

AGAW Control Station (Wall Mount)

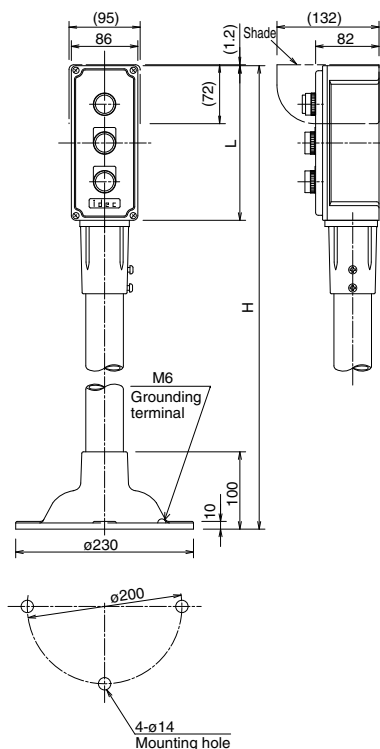


- Entrance Hub (attached)
 1 to 3 holes: HNA22 G3/4 (22 mm)
 4 holes: HNA33 G1 (28 mm)
- Gland hubs for leading in cables are also available.
 See page 1571 for details.

Part No.	Applicable Cable Diameter (R)
HNG21	8, 10, 12
HNAG22	13, 15, 17
HNAG33	18, 20, 22

	1 hole	2 holes	3 holes	4 holes		5 holes
	211Y	212Y	313Y	314Y	514Y	510Y
L	100	150	200	200	300	300
I	114	114	164	164	264	264
Weight (Approx.)	0.6 kg	0.6 kg	0.7 kg	0.6 kg	0.7 kg	0.8 kg

AGAW Control Station (Pole Mount)

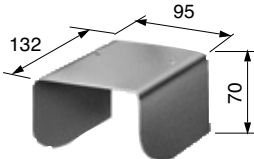
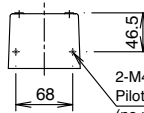

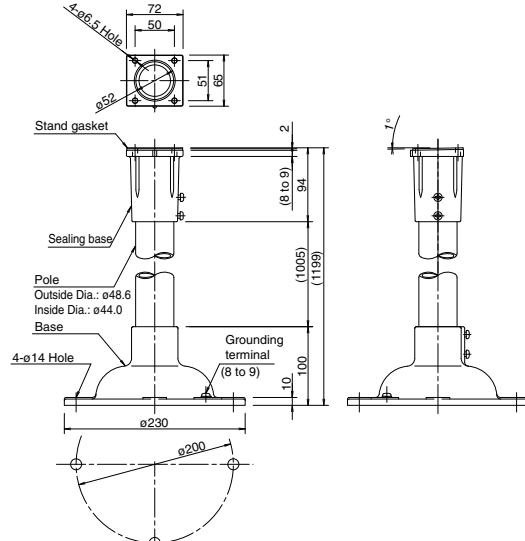


	1 hole	2 holes	3 holes	4/5 holes
H	1350	1400		
L	150	200		
Weight (Approx.)	6.1 kg	6.2 kg		

AGAW Series Control Stations

Accessory (Options)

Package Quantity: 1

Name & Shape	Part No.	Description & Dimensions
Enclosure Shade  <p>Material: Carbon steel plate Thickness: 1 mm Weight: Approx. 0.25 kg</p>	AGZ-S1Y	<ul style="list-style-type: none"> Protection for control units against direct sunlight and falling objects. Color: Yellow (semi-gloss) Shade mounting hole  <p>2-M4 tapped hole: Depth 5 Pilot hole: Depth 5.5 max. (no penetration)</p>
Stand Pole  <p>Weight: Approx. 5.6 kg</p>	AGZ-S205	<ul style="list-style-type: none"> For replacement of the base and pole. Color: Yellow (semi-gloss)  <p>All dimensions in mm.</p>

Flush
SilhouetteSwitches &
Pilot LightsDisplay
LightsLED
Illumination
UnitsDisplay
UnitsSafety
ProductsTerminal
BlocksComm.
Terminals

AS-Interface

Relays &
Timers

Sockets

Circuit
ProtectorsPower
SuppliesPLCs &
SmartRelayOperator
Interfaces

Sensors

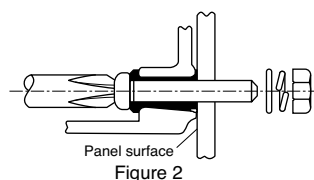
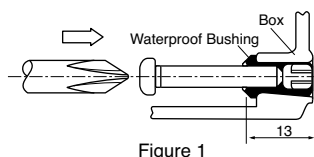
Control
StationsExplosion
Protection

References

Instructions

Precautions for Mounting on Panel (Wall)

- Insert M4 screws into the waterproof bushings at all four corners inside the box. Push the screws with a screwdriver and penetrate the bushings (Figure 1).
- Thrust the screws into panel holes and secure the screws with nuts (Figure 2). Waterproof characteristics are not affected by piecing the bushings with screws.



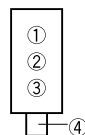
Ordering Information

When ordering control stations with control units:
Specify the Part No. of the control station.

When ordering enclosures without control units:
Specify the following items.

- Part No. of the enclosure
- Part No. and specifications of the control units to be mounted (lens color, button color, etc.)
- Nameplate
- Lead-in fitting
Only when ordering the gland hub for leading in cables, specify the Part No. and the finished cable outside diameter (R).
- Other specifications

Ordering Example



Part No. of Enclosure	AGAW313Y
Control Unit and Nameplate	① APW126R
	② ABW210G, with NWA-1
	③ ABW201R, with NWA-2
Lead-in Fitting	④ HNAG22 R15

Note: Any ø22 mm TW/HW series control units are selectable.
Take into consideration the degree of protection of the control unit and the effective depth of the enclosure.