

AGAW Series Control Stations

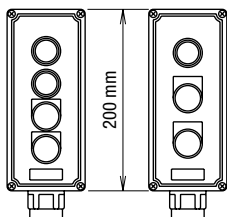
IP65 Waterproof Aluminum Control Stations for $\varnothing 22$ mm Switches/Pilot Lights

AGAW control stations are designed for mounting IDEC $\varnothing 22$ mm (7/8 inch) switches/pilot lights.

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

Ideal for small control boxes

AGAW Control Box with four $\varnothing 22$ mm switches/pilot lights



AGA Control Box with three $\varnothing 30$ mm switches/pilot lights



Specifications

Degree of Protection (*1)	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 M Ω 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 Switches/Pilot Lights	IDEC $\varnothing 22$ mm TW series

*1) The degree of protection depends on the switches/pilot lights mounted in the enclosure.

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

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					
	AC (50/60Hz)	AC-15 Control of electromagnetic loads (>72VA)					
Operational Current	DC	DC-12 Control of resistive loads and solid state loads					
	DC	DC-13 Control of electromagnets					

Common

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

Switch/Pilot Light Mounting Holes

The holes for mounting switches/pilot lights 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

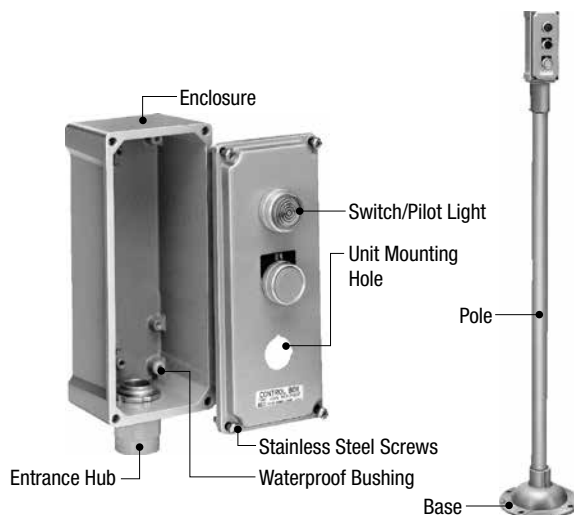
4 holes: With HNA33 G1 for 28 mm conduit

HNAG gland hubs for lead in cables are also available.

Lead-in fitting cannot be removed.




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).



Control Stations with Switches/Pilot Lights





























The control stations are available with a selected combination of switches/pilot lights as listed below. For the dimensions and mounting centers, see the figures on page 10.

Switch/Pilot Light	Part No.	Specifications
Pushbutton 	ABW110 *	Flush, 1NO
	ABW101 *	Flush, 1NC
	ABW111 *	Flush, 1NO-1NC
	ABW411 *	ø40 mushroom, 1NO-1NC
Pilot Light 	APW116D *	Round flush, 100/110V AC
	APW126D *	Round flush, 200/220V AC
Selector Switch 	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), R (red)
 Pilot Light: G (green), R (red)

Control Stations

Package Quantity: 1

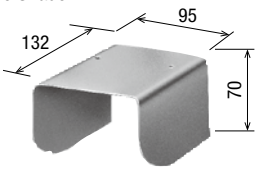
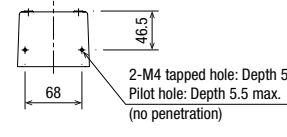

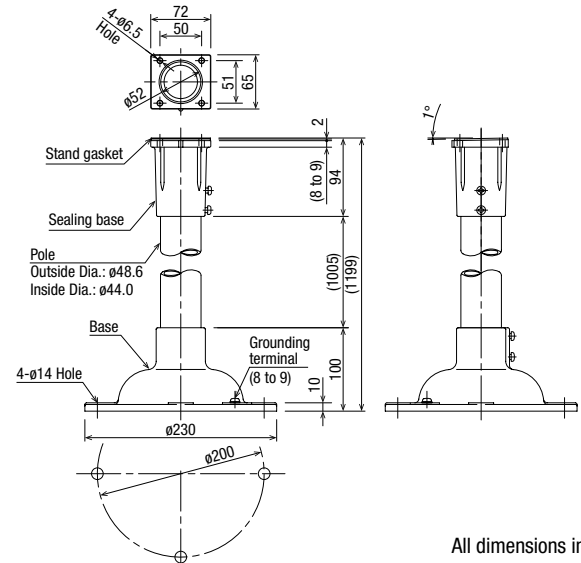
Control Station		Mounted Switches/Pilot Lights		
Style	Part No.	Symbol	Part No.	NWA Nameplate Legend
Wall Mount 1 hole	AGAW1101Y		ABW110B	ON
	AGAW1102Y		ABW411R	Without nameplate
	AGAW1105Y		ASW211	HAND-AUTO
	AGAW1107Y *		ASW2K11	OFF-ON
Pole Mount 1 hole	AGAW1101SY		ABW110B	ON
	AGAW1102SY		ABW411R	OFF
Wall Mount 2 holes	AGAW2101Y	 	ABW110B ABW101R	ON OFF
	AGAW2102Y	 	ABW111B ABW111R	ON OFF
	AGAW2103Y	 	APW116DR APW116DG	Without nameplate
	AGAW2104Y	 	APW126DR APW126DG	Without nameplate
	AGAW2105Y	 	APW116DR ABW111DR	Without nameplate STOP
	AGAW2106Y	 	APW126DR ABW111R	Without nameplate STOP
	AGAW2107Y	 	APW116DR ASW211	Without nameplate HAND-AUTO
	AGAW2108Y	 	APW126DR ASW211	Without nameplate HAND-AUTO
	AGAW2109Y *	 	APW116DR ASW2K11	Without nameplate OFF-ON
	AGAW2110Y *	 	APW126DR ASW2K11	Without nameplate OFF-ON
	AGAW2113Y	 	ABW110B ABW411R	ON Without nameplate

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

Control Station		Mounted Switches/Pilot Lights		
Style	Part No.	Symbol	Part No.	NWA Nameplate Legend
Pole Mount 2 holes	AGAW2101SY	 	ABW110B ABW101R	ON OFF
Wall Mount 3 holes	AGAW3102Y	  	APW116DR ABW110B ABW101R	Without nameplate ON OFF
	AGAW3103Y	  	APW126DR ABW110B ABW101R	Without nameplate ON OFF
	AGAW3104Y	  	ABW111B ABW111R ASW211	ON OFF HAND-AUTO
Pole Mount 3 holes	AGAW3102SY	  	APW116DR ABW110B ABW101R	Without nameplate ON OFF
	AGAW3104SY	  	ABW111B ABW111R ASW211	ON OFF HAND-AUTO
Wall · Pole 4 holes	Wall Mount AGAW4101Y	   	APW126DR APW126DG ABW111B ABW111R	Without nameplate Without nameplate ON OFF
	Pole Mount AGAW4101SY			
	Wall Mount AGAW4102Y	   	APW126DR ABW111B ABW111R ASW211	Without nameplate ON OFF HAND-AUTO
Pole Mount AGAW4102SY				

Accessory (Options)

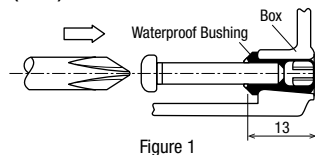
Package Quantity: 1

Name & Shape	Part No.	Description & Dimensions
<p>Enclosure Shade</p>  <p>Material: Carbon steel plate Thickness: 1 mm Weight: Approx. 0.25 kg</p>	AGZ-S1Y	<ul style="list-style-type: none"> Protection for switches/pilot lights against direct sunlight and falling objects. Color: Yellow (semi-gloss) Shade mounting hole 
<p>Stand Pole</p>  <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>

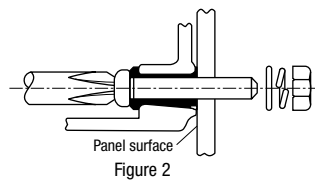
Instructions

Precautions for Mounting on Panel (Wall)

1. 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).



2. 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.



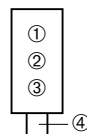
Ordering Information

When ordering control stations with switches/pilot lights:
Specify the Part No. of the control station.

When ordering enclosures without switches/pilot lights:
Specify the following items.

1. Part No. of the enclosure
2. Part No. and specifications of the switches/pilot lights to be mounted (lens color, button color, etc.)
3. Nameplate
4. Lead-in fitting
Only when ordering the gland hub for leading in cables, specify the Part No. and the finished cable outside diameter (R).
5. Other specifications

Ordering Example



Part No. of Enclosure	AGAW313Y
①	APW126DR
Switch/Pilot Light and Nameplate	② ABW210G, with NWA-1
	③ ABW201R, with NWA-2
Lead-in Fitting	④ HNAG22 R15

Note: Any ø22 mm TW/HW series are selectable. Take into consideration the degree of protection of the switches/pilot light and the effective depth of the enclosure.