

# INTERNATIONAL



# *MODULAR WIRING DEVICES*



# PRODUCT INSTALLATION GUIDE PANEL MOUNTING DEVICES

# INTERNATIONAL MODULAR DEVICES

The receptacles, switches and pilot lights identified in this catalog as “**Modular**” are designed for snap-in mounting to panels on electrical / electronic equipment. This concept allows for fast, easy production change-over when exporting products to various countries as a **standard** panel cutout will accept the receptacles used in each country. In addition, any combination or multiples of receptacles and switches can be ganged together as indicated on the cut-out calculation chart.

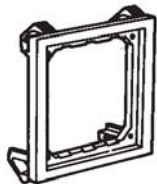
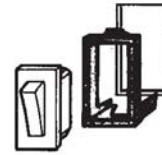
## SNAP-IN FRAMES (BEZELS)

For mounting "modular" devices on panels from 1.0 to 3.0 mm thick  
See calculation chart at bottom of page for panel cutout details



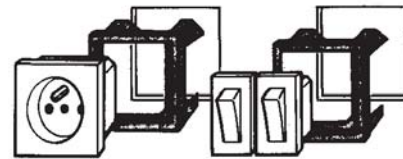
**79110x45**

Accepts one (1) 22.5 x 45 mm device

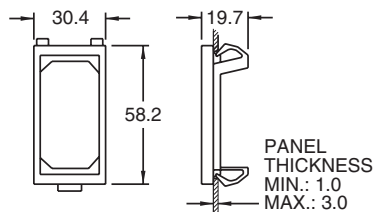
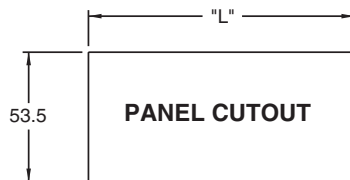


**79100x45**

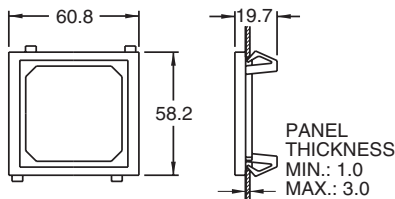
Accepts one (1) 45 x 45 mm device  
or  
two (2) 22.5 x 45 mm devices



## PANEL CUTOUT CALCULATION CHART



**79110x45**



**79100x45**

**Cutout Calculation:** Use the chart below to calculate the length ("L") of the panel cutout required to install one or more "modular" devices.  
**All dimensions are in millimeters (1 mm = 0.039")**

		Number of 79100x45's to be installed into cutout									
		0	1	2	3	4	5	6	7	8	
Number of 79110x45's to be installed into cutout	0		58.6	119	180	240.5	301.5	362.5	423	484	
	1	28	88.5	149.5	210.5	271	332	392.5	453.5		
	2	58.5	119	180	240.5	301.5	362.5	423	484		
	3	88.5	149.5	210.5	271	332	392.5	453.5			
	4	119	180	240.5	301.5	362.5	423	484			
	5	149.5	210.5	271	332	392.5	453.5				
	6	180	240.5	301.5	362.5	423	484				
	7	210.5	271	332	392.5	453.5					
	8	240.5	301.5	362.5	423	484					
	9	271	332	392.5	453.5						
	10	301.5	362.5	423	484						
	11	332	392.5	453.5							
	12	362.5	423	484							
	13	392.5	453.5								
	14	423	484								
	15	453.5									

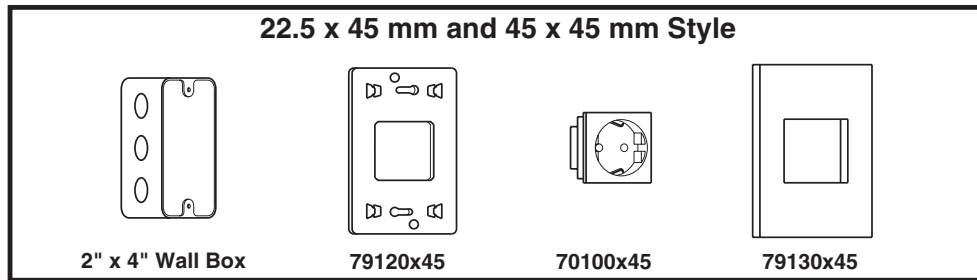


# PRODUCT INSTALLATION GUIDE WALL BOX MOUNTING DEVICES





















# INTERNATIONAL MODULAR DEVICES

The receptacles, switches and pilot lights identified in this catalog as “Modular” are also designed to be **mounted to standard American size wall boxes** by using the support frames and wall plates indicated in the table below. This system for mounting “European” devices to American style boxes eliminates the need for special boxes and reduces cost and installation time.

## TYPICAL



## Screw Mounting to American Size Boxes

Modular Device Size	American Size Boxes	Support Frames	Wall Plates White	Wall Plates Polished Chrome
(1) 22.5 x 45 mm	 2" x 4"	 79120x45	 79140x45	 79145x45
(2) 22.5 x 45 mm or (1) 45 x 45 mm	 2" x 4"	 79120x45	 79130x45	 79135x45
(3) 22.5 x 45 mm or (1) 22.5 x 45 mm and (1) 45 x 45 mm or (1) 67.5 x 45 mm	 2" x 4"	 79170x45	 79180x45	 79185x45
(4) 22.5 x 45 mm or (2) 22.5 x 45 mm and (1) 45 x 45 mm or (2) 45 x 45 mm	 4" x 4"	 79210x45	 79220x45	 79225x45
(6) 22.5 x 45 mm or (2) 22.5 x 45 mm and (2) 45 x 45 mm or (2) 67.5 x 45 mm	 4" x 4"	 79275x45	 79285x45	 79295x45




















**NOTE: Outlets, frames and wall plates can be mounted on Wiremold® 3000 Series raceway using Wiremold® No. G3007C bracket.**



# INTERNATIONAL MODULAR RECEPTACLES

## 2 Pole 3 Wire Grounding

**45 MM SIZE**

		Cat. No.	Approvals	Drawing	Config.	Description
		70100x45	14, 22	Pg. 231		<b>European "SCHUKO" receptacle.</b> White. 16 ampere 250 volt. CEE-7. DIN 49440. 45 mm x 45 mm size.
		71100x45	21	Pg. 235		<b>French receptacle.</b> White. 16 ampere 250 volt. Shuttered contacts. 45 mm x 45 mm size.
		72100x45	1	Pg. 235		<b>United Kingdom receptacle.</b> White. 13 ampere 250 volt. BS 1363A. Shuttered contacts. 45 mm x 45 mm size.
		72100x45	19	Pg. 245		<b>Israeli receptacle.</b> White. 16 ampere 250 volt. Shuttered contacts. SII. 45 mm x 45 mm size.
		75100x45	9	Pg. 243		<b>Italian receptacle.</b> White. 10 ampere 250 volt. CEI 23-16 / VII. Shuttered contacts. 22.5 mm x 45 mm size.
		75500x45	9	Pg. 244		<b>Italian receptacle.</b> White. 16 ampere 250 volt. CEI 23-16 / VII. Dual configuration accepts 10 ampere and 16 ampere plugs. Shuttered contacts. 22.5 mm x 45 mm size.
		75100x45	18	Pg. 244		<b>Swiss receptacle.</b> White. 10 ampere 250 volt. Shuttered contacts. SEV 1011. 22.5 mm x 45 mm size.
		76101x45	18	Pg. 244		<b>Swiss receptacle.</b> White. 10 ampere 250 volt. Shuttered contacts. SEV 1011. Type 13 recessed face for use in damp locations. 45 mm x 45 mm size.
		76100x45	20	Pg. 244		<b>United States / Canada receptacle.</b> White. 15 ampere 125 volt. NEMA 5-15R. 45 mm x 45 mm size.
		79100x45	N/A	Pg. 248		<b>Panel mounting frame</b> for one 45 mm x 45 mm receptacle or two 22.5 mm x 45 mm devices. White. See page 94 for details.
		76143x45	N/A	Pg. 248		<b>Panel mounting frame</b> for one 22.5 mm x 45 mm device. White. See page 94 for details.
		79110x45	N/A	Pg. 248		

**NOTE: See pages 60 - 88 for mating plugs.**

**Approvals:** 1.ASTA 2.CEBEC 3.CSA 4.DEMKO 5.PSE(JET) 6.EANSW(DFT) 7.FI 8.GS 9.IMQ 10.JET 11.JIS 12.KEMA 13.NEMKO 14.OVE 15.SAA 16.SABS 17.SEMKO 18.SEV 19.SII 20.UL 21.UTE 22.VDE 23.ISO 24.CCC 25.IRAM 26.BSI






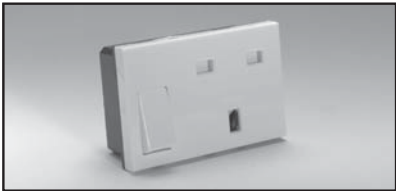










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# INTERNATIONAL MODULAR RECEPTACLES

## 2 Pole 3 Wire Grounding

45 MM SIZE

Description	Config.	Cat. No.	Approvals	Drawing	
<b>Australian receptacle.</b> White. 10 ampere 250 volt. AS / NZS 3112 2000. 45 mm x 45 mm size.	 AU1-10R	74105x45	6	Pg. 239	 
<b>Australian receptacle.</b> White. 15 ampere 250 volt. Shuttered contacts. AS / NZS 3112 2000. 45 mm x 45 mm size.	 AU2-15R	74505x45	6	Pg. 242	74105x45      74505x45
<b>United Kingdom BS 1363A receptacle.</b> White. 13 ampere 250 volt. Shuttered contacts. On/Off switch. 67.5 mm x 45 mm size.	 UK1-13R	72105x45	N/A	Pg. 235	
<b>Chinese receptacle. 10 ampere</b> 250 volt. White. Shuttered contacts. 45 mm x 45 mm size.	 CH1-10R	74700x45	24	Pg. 243	72105x45
<b>Chinese receptacle. 16 ampere</b> 250 volt. White. Shuttered contacts. 45 mm x 45 mm size.	 CH2-16R	74600x45	24	Pg. 242	 
<b>U.K. / South African BS 546 receptacle.</b> 16 ampere 250 volt. 67.5 mm x 45 mm size. White. Shuttered contacts. On/Off switch.	 UK2-15R	73100x45	15	Pg. 238	74700x45      74600x45
<b>Argentine receptacle.</b> White. 10 ampere 250 volt. 45 mm x 45 mm size.	 AR1-10R	84100x45	25	Pg. 251	
<b>Brazilian receptacle.</b> 15 ampere 127 volt / 16 ampere 250 volt. 45 mm x 45 mm size. White. Accepts NEMA 1-15P, NEMA 5-15P and European plugs with 4.0 mm and 4.8 mm pins.	 BR1-15R	85100x45	N/A	Pg. 252	73100x45
<b>Panel mounting frame</b> for one 45 mm x 45 mm receptacle or two 22.5 mm x 45 mm devices. White. See page 94 for details.		79100x45	N/A	Pg. 248	 
<b>Panel mounting frame</b> for one 22.5 mm x 45 mm device. White. See page 94 for details.		79110x45	N/A	Pg. 248	84100x45      85100x45

**NOTE: See page 95 for mounting to American 2" x 4" wall boxes.**

**NOTE: See pages 60 - 88 for mating plugs.**

**Approvals:** 1.ASTA 2.CEBEC 3.CSA 4.DEMKO 5.PSE(JET) 6.EANSW(DFT) 7.FI 8.GS 9.IMQ 10.JET 11.JIS 12.KEMA 13.NEMKO 14.OVE 15.SAA 16.SABS 17.SEMKO 18.SEV 19.SII 20.UL 21.UTE 22.VDE 23.ISO 24.CCC 25.IRAM 26.BSI









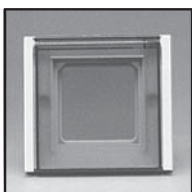



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# INTERNATIONAL MODULAR DEVICES

## Switches, Pilot Lights, Dimmer and Accessories

**45 MM SIZE**

		Cat. No.	Approvals	Drawing	Description
		79510x45	2, 9, 21	Pg. 249	<b>Single pole 16 ampere switch.</b> White. Rocker type. Screw terminals. 22.5 mm x 45 mm modular size.
		79520x45	2, 9, 21	Pg. 249	Same as switch No. 79510x45 except <b>three way</b> .
		79530x45	21	Pg. 249	<b>Pilot light.</b> Red indicator. Snap-in mounting. Screw terminals. 230 volt lamp. 22.5 mm x 45 mm modular size.
		79550x45		Pg. 249	<b>60 watt - 500 watt dimmer.</b> 45 mm x 45 mm modular size. 220 volt ± 10%. 50 hertz. <b>NOTE: Not for use with lamps rated less than 60 watts.</b>
		79575x45	N/A	Pg. 250	<b>Weatherproof cover</b> for mounting 45 mm x 45 mm or 22.5 mm x 45 mm modular size outlets / switches to 2 gang American wall box.
		79100x45	N/A	Pg. 248	<b>Panel mounting frame</b> for one 45 mm x 45 mm receptacle or two 22.5 mm x 45 mm devices. White. See page 38 for details.
		79110x45	N/A	Pg. 248	<b>Panel mounting frame</b> for one 22.5 mm x 45 mm device. White. See page 38 for details.
		79570x45	N/A	Pg. 250	<b>Weather protective cover.</b> For 45 mm x 45 mm modular size devices. Screw mounts to panels (Bezel No. 79100x45 not required). <b>Can not be used with dimmer No. 79550x45.</b>
		79595x45	N/A	Pg. 250	<b>DIN rail mounting bracket.</b> Allows 45 mm x 45 mm and 22.5 mm x 45 mm devices to be mounted in panels with standard DIN type rails.
		79591x45	N/A	Pg. 250	<b>Blank insert.</b> 45 mm x 45 mm modular size. White.
		79590x45	N/A	Pg. 250	<b>Blank insert.</b> 22.5 mm x 45 mm modular size. White.

**Approvals:** 1.ASTA 2.CEBEC 3.CSA 4.DEMKO 5.PSE(JET) 6.EANSW(DFT) 7.FI 8.GS 9.IMQ 10.JET 11.JIS 12.KEMA 13.NEMKO 14.OVE 15.SAA 16.SABS 17.SEMKO 18.SEV 19.SII 20.UL 21.UTE 22.VDE 23.ISO 24.CCC 25.IRAM 26.BSI













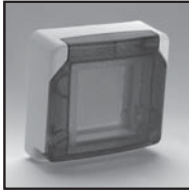



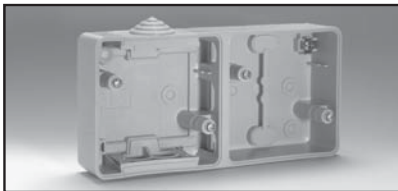
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# INTERNATIONAL MODULAR DEVICES

## GFCI (RCBO) Circuit Breakers, Overload Circuit Breakers and Weatherproof Boxes

**45 MM SIZE**

Description	Cat. No.	Approvals	Drawing		
<b>GFCI (RCBO) double pole circuit breaker.</b> 16 ampere 230 volt. 50/60 Hz. <b>10 mA trip.</b> White. 45 mm x 45 mm modular size. "CE" mark	74458x45	N/A	Pg. 241		
<b>GFCI (RCBO) double pole circuit breaker.</b> 16 ampere 230 volt. 50/60 Hz. <b>30 mA trip.</b> White. 45 mm x 45 mm modular size. "CE" mark	74459x45	N/A	Pg. 241		
<b>GFCI (RCBO) double pole circuit breaker.</b> 10 ampere 230 volt. 50/60 Hz. <b>10 mA trip.</b> White. 45 mm x 45 mm modular size. "CE" mark	74456x45	N/A	Pg. 241		
<b>GFCI (RCBO) double pole circuit breaker.</b> 10 ampere 230 volt. 50/60 Hz. <b>30 mA trip.</b> White. 45 mm x 45 mm modular size. "CE" mark	74457x45	N/A	Pg. 241		
<b>NOTE: The above GFCI (RCBO) circuit breakers also provide overload protection.</b>					
<b>Single pole and neutral thermal magnetic circuit breaker (overload / short circuit protection). 16 ampere</b> 230 volt. 45 mm x 45 mm modular size. White. "CE" Mark.	74453x45	9, 21	Pg. 241		
<b>Single pole and neutral thermal magnetic circuit breaker (overload / short circuit protection). 10 ampere</b> 230 volt. 45 mm x 45 mm modular size. White. "CE" Mark.	74452x45	9, 21	Pg. 241		
<b>Weather protective cover (IP 55).</b> Polycarbonate / Polypropylene housing. Gray. "See through" cover. Panel mount design. Also fits the weatherproof boxes listed below. "CE" mark. IP 66 type available.	91730x45	N/A	Pg. 257		
<b>Single gang weatherproof surface mount box (IP 55).</b> Gray. Accepts cover No. 91730x45. "CE" mark. IP 66 type available.	91751x45	N/A	Pg. 257		
<b>Two gang weatherproof surface mount box (IP 55).</b> Gray. Accepts two covers No. 91730x45. "CE" mark. IP 66 type available.	91772x45	N/A	Pg. 257		

**Approvals:** 1.ASTA 2.CEBEC 3.CSA 4.DEMKO 5.PSE(JET) 6.EANSW(DFT) 7.FI 8.GS 9.IMQ 10.JET 11.JIS 12.KEMA 13.NEMKO 14.OVE 15.SAA 16.SABS 17.SEMKO 18.SEV 19.SII 20.UL 21.UTE 22.VDE 23.ISO 24.CCC 25.IRAM 26.BSI






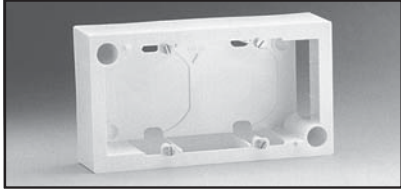

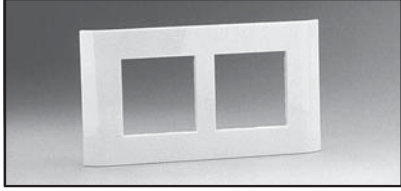
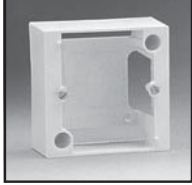

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# SURFACE MOUNT WALL BOXES FOR 45 MM SIZE DEVICES

**45 MM SIZE**



	Cat. No.	Approvals	Drawing	Description
	79230x45	N/A	Pg. 248	<p><b>Surface mount metal box</b> complete with cover, device mounting grid and grounding terminal. 20 mm diameter conduit knockouts. Accepts two 45 mm x 45 mm devices or four 22.5 mm x 45 mm devices.</p>
	79235x45	N/A	Pg. 248	
	79240x45	N/A	Pg. 248	
	79245x45	N/A	Pg. 248	<p><b>Surface mount plastic box.</b> White. Accepts two 45 mm x 45 mm devices or four 22.5 mm x 45 mm devices. Requires two grids No. 79250x45 to mount devices and one wall plate No. 79255x45.</p>
	79250x45	N/A	Pg. 249	
	79255x45	N/A	Pg. 249	<p><b>Surface mount plastic box.</b> White. Accepts one 45 mm x 45 mm device or two 22.5 mm x 45 mm devices. Requires one grid No. 79250x45 to mount devices and one wall plate No. 79265x45.</p>
	79260x45	N/A	Pg. 249	
	79265x45	N/A	Pg. 249	<p><b>Plastic wall plate</b> for box No. 79260x45. White.</p>

**NOTE:**  
 • Flush mount European boxes are available.  
 • See page 95 to flush mount devices using American 2" x 4" wall boxes.

**Approvals:** 1.ASTA 2.CEBEC 3.CSA 4.DEMKO 5.PSE(JET) 6.EANSW(DFT) 7.FI 8.GS 9.IMQ 10.JET 11.JIS 12.KEMA 13.NEMKO 14.OVE 15.SAA 16.SABS 17.SEMKO 18.SEV 19.SII 20.UL 21.UTE 22.VDE 23.ISO 24.CCC 25.IRAM 26.BSI

