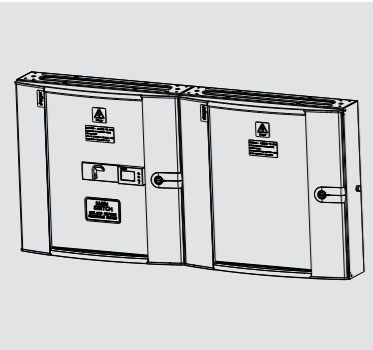
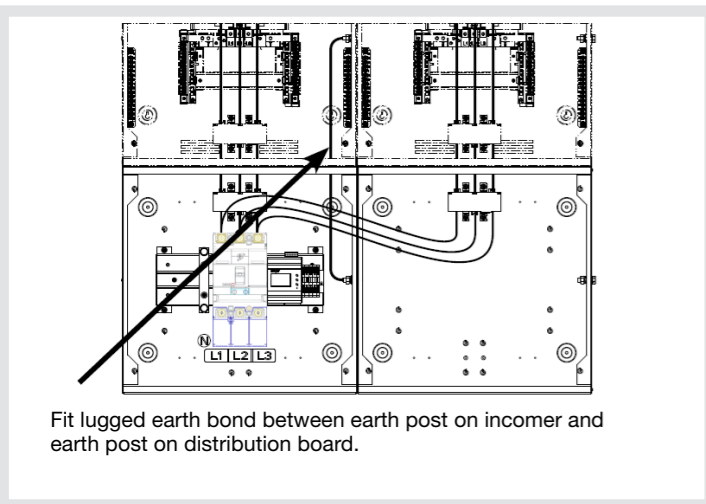
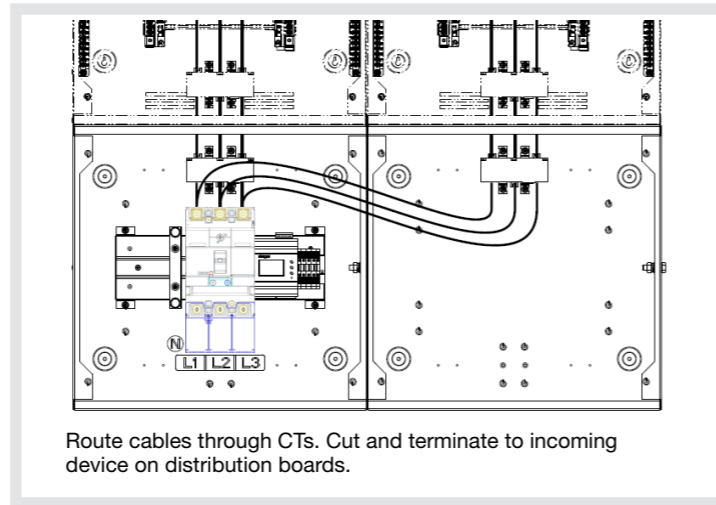
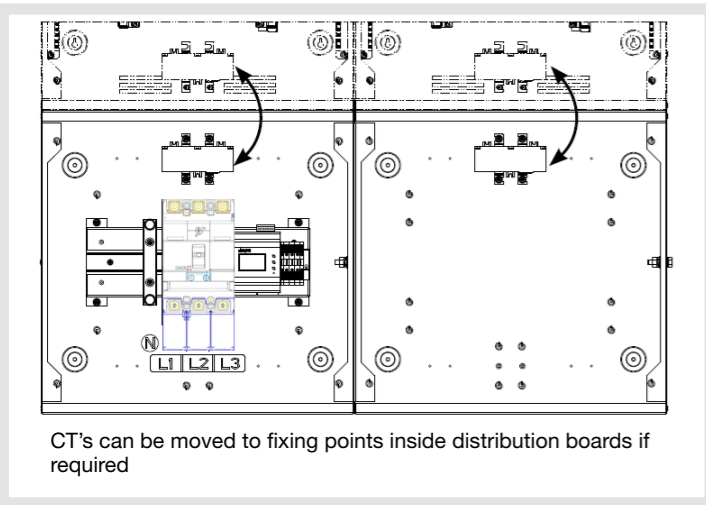
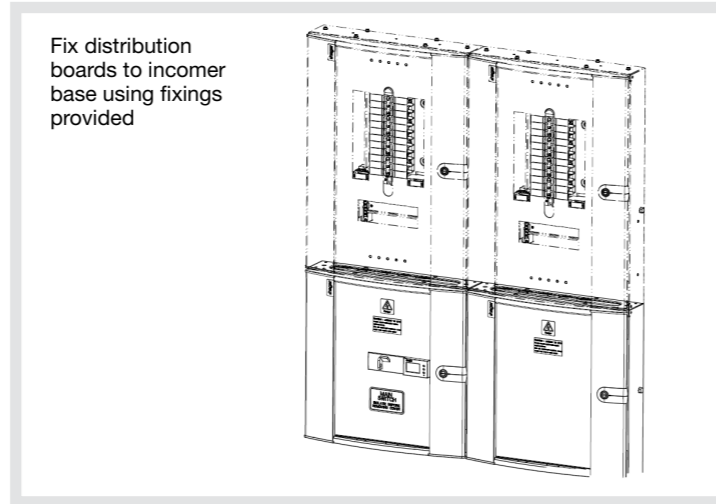
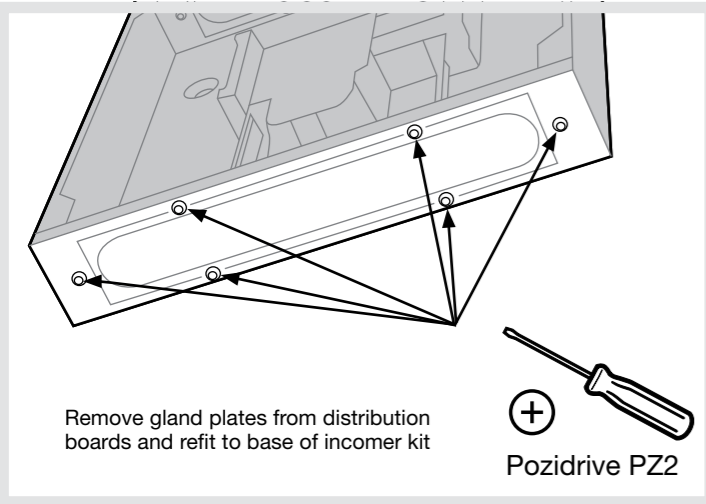


GB JKD 125A MID Dual Metered TP&N  
Incomer Instructions/Data Sheet



ZD0876



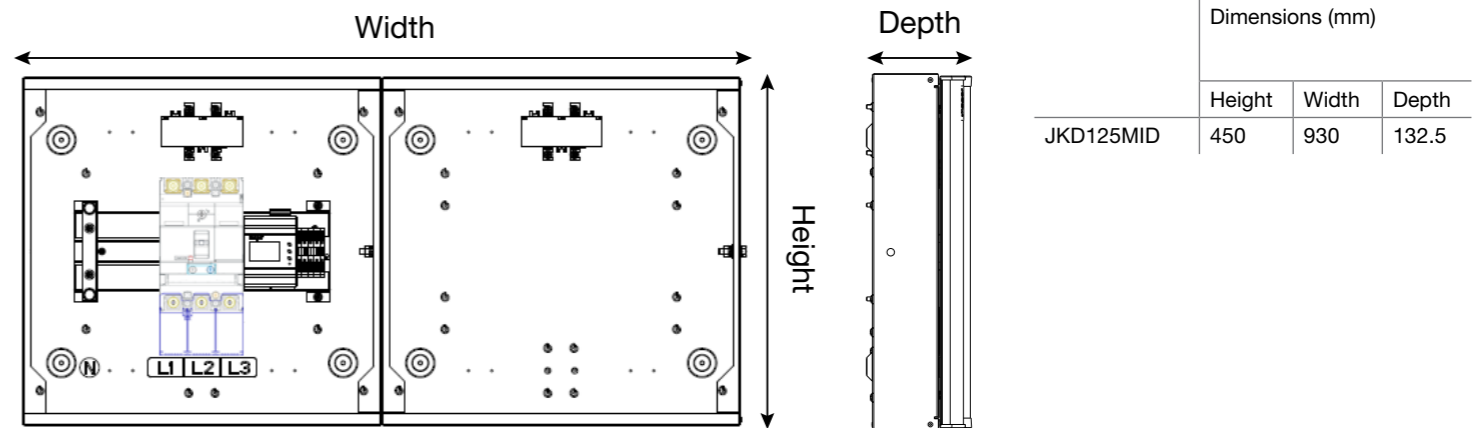
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Interface Characteristics

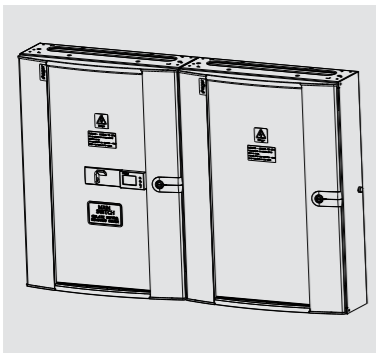
<b>Rated &amp; operational voltage (<math>U_n / U_e</math>)</b>	415V a.c. 50Hz
<b>Rated insulation voltage (<math>U_i</math>)</b>	690V a.c. 50Hz
<b>Rated impulse withstand voltage (<math>U_{imp}</math>)</b>	4kV
<b>Rated current of the Assembly (<math>I_{nA}</math>)</b>	125A
<b>Rated conditional short-circuit current of the ASSEMBLY (<math>I_{cc}</math>)</b>	10kA <sup>1</sup> with equipment and arrangements specified in Hager's technical documentation / catalogue.
<b>Protection against electric shock</b>	Equipment shall be installed in an electrical system conforming to IEC 60364 / BS 7671
<b>Rated frequency (<math>f_n</math>)</b>	50 Hz
<b>Pollution degree</b>	2
<b>Types of system earthing for which the ASSEMBLY is designed</b>	TNC-S, TN-S and TT when installed in an electrical system conforming to BS 7671
<b>Intended locations</b>	Indoor use only
<b>Stationary ASSEMBLY</b>	
<b>Degree of protection</b>	IP3XD with Door Closed IP2XC with Door Open
<b>Intended use</b>	Distribution boards intended to be operated by ordinary persons (DBO)
<b>Electromagnetic compatibility (EMC) classification</b>	EMC Environment B
<b>External design</b>	Wall-mounted, surface type, enclosed assembly.
<b>Mechanical impact protection</b>	IK05
<b>The type of construction</b>	Fixed parts

Meter Characteristics

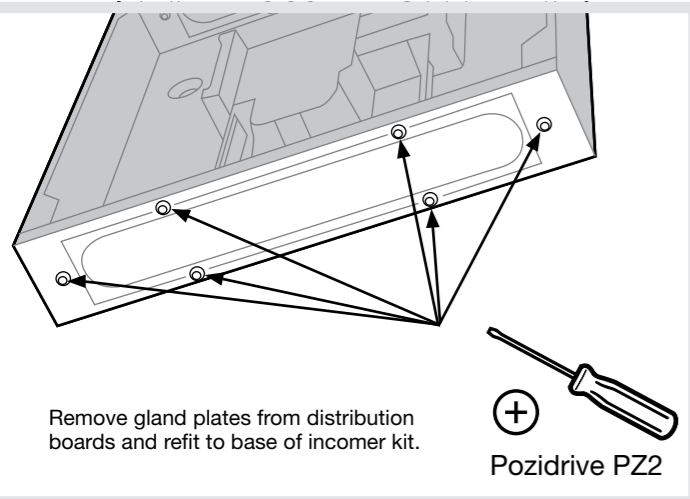
<b>Supply</b>	60 to 300V AC, 50/60Hz (±5%)
<b>Serial Communication</b>	
<b>Interface Standard and Protocol</b>	MID RS485 and MODBUS RTU
<b>Input (CT)</b>	
<b>Pluggable RJ 11</b>	Input 1/ Input 2
<b>Output</b>	
<b>Pulse Output:</b>	Voltage Range : 24V DC max Current Capacity : 100mA max
<b>Pulse Duration :</b>	Selectable Between 0.1 to 2.0sec
<b>Pulse Weight :</b>	Selectable between 0.01 to 9.99kWh
<b>Accuracy of meter</b>	
<b>Measurement</b>	Accuracy
<b>Voltage VL-N</b>	0.5% of full range
<b>Voltage VL-L</b>	0.5% of full range
<b>Current A</b>	0.5% of full range
<b>Frequency</b>	
<b>For L-N Voltage &gt;20V</b>	
<b>For L-L Voltage &gt;35V"</b>	0.1% of full range
<b>Active power</b>	1.0% of full range
<b>Apparent Power</b>	1.0% of full range
<b>Reactive Power</b>	1.0% of full range
<b>Power Factor</b>	±0.01% of full Range
<b>Active Energy</b>	1.0% of full range
<b>Reactive Energy</b>	1.0% of full range
<b>Max/Min Active Power</b>	1.0% of full range
<b>Max/Min Reactive Power</b>	1.0% of full range
<b>Max Apparent Power</b>	1.0% of full range
<b>Power Consumption</b>	Less than 8VA
<b>CT Primary 1 and Primary 2</b>	5A to 10,000A (programmable for any value)



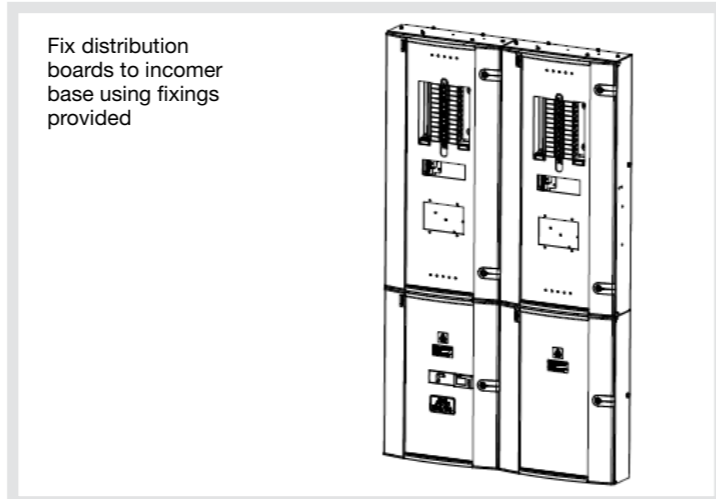
GB JKD 250A MID Dual Metered TP&N  
Incomer Instructions/Data Sheet



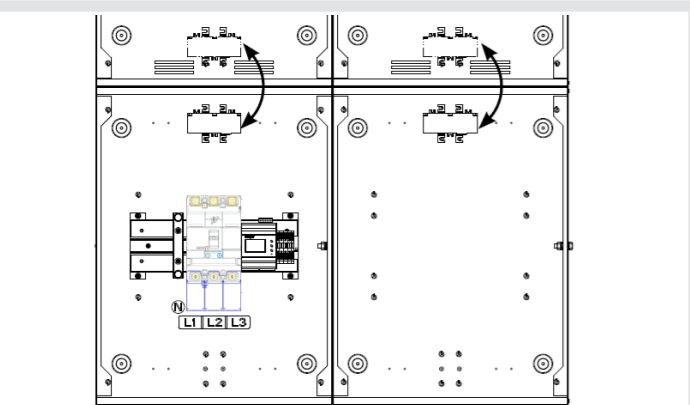
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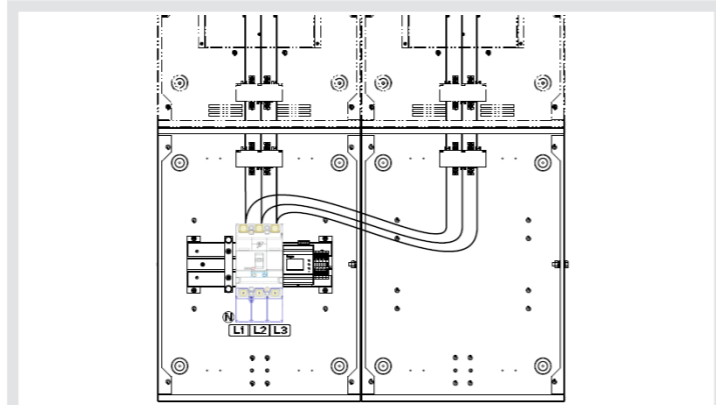
Remove gland plates from distribution boards and refit to base of incomer kit.



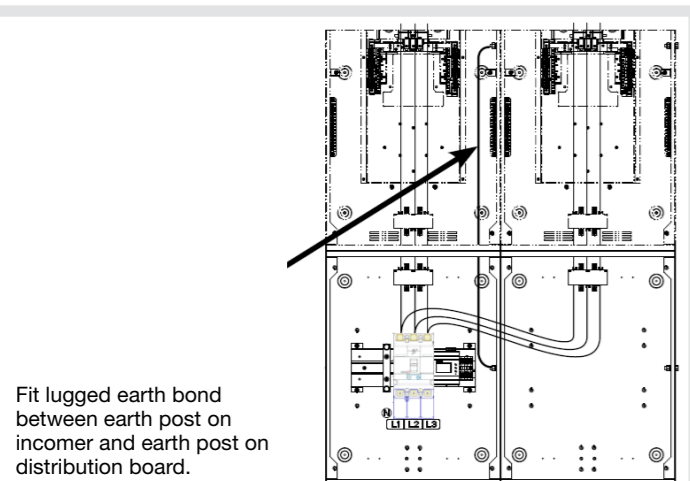
Fix distribution boards to incomer base using fixings provided



CT's can be moved to fixing points inside distribution boards if required



Route cables through CTs. Cut and terminate to incoming device on distribution boards.



Fit lugged earth bond between earth post on incomer and earth post on distribution board.

ZD0876

Interface Characteristics

**Rated & operational voltage ( $U_n / U_e$ )**  
415V a.c. 50Hz

**Rated insulation voltage ( $U_i$ )**  
690V a.c. 50Hz

**Rated impulse withstand voltage ( $U_{imp}$ )**  
4kV

**Rated current of the Assembly ( $I_{nA}$ )**  
250A  
RHS Pan Assembly (In) 200A  
LHS Pan Assembly (In) 200A

**Rated conditional short-circuit current of the ASSEMBLY ( $I_{cc}$ )**  
10kA<sup>1</sup> with equipment and arrangements specified in Hager's technical documentation / catalogue.

**Protection against electric shock**  
Equipment shall be installed in an electrical system conforming to IEC 60364 / BS 7671

**Rated frequency (fn)**  
50 Hz

**Pollution degree**  
2

**Types of system earthing for which the ASSEMBLY is designed**  
TNC-S, TN-S and TT when installed in an electrical system conforming to BS 7671

**Intended locations**  
Indoor use only

**Stationary ASSEMBLY**

**Degree of protection**  
IP3XD with Door Closed  
IP2XC with Door Open

**Intended use**  
Distribution boards intended to be operated by ordinary persons (DBO)

**Electromagnetic compatibility (EMC) classification**  
EMC Environment B

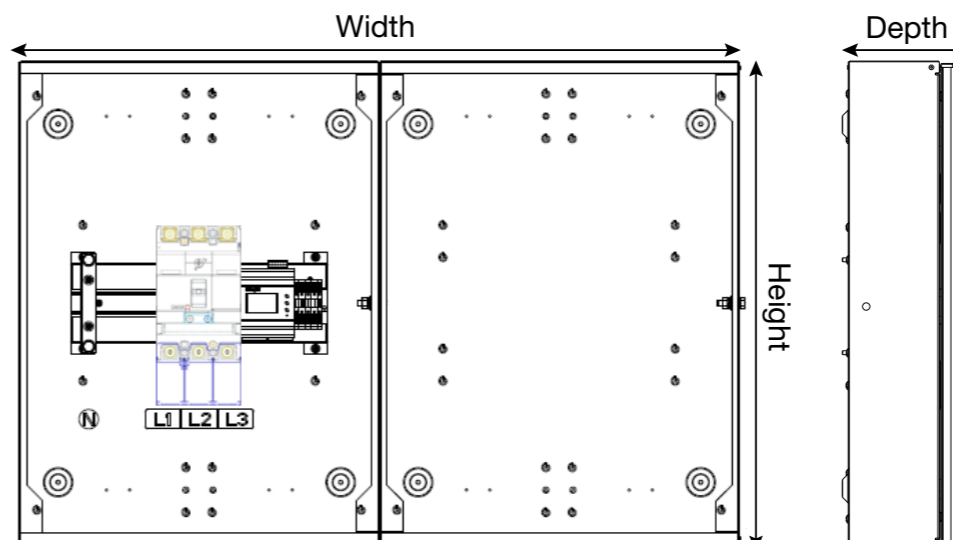
**External design**  
Wall-mounted, surface type, enclosed assembly.

**Mechanical impact protection**  
IK05

**The type of construction**  
Fixed parts

Meter Characteristics

<b>Supply</b>	60 to 300V AC, 50/60Hz (±5%)
<b>Serial Communication</b>	
<b>Interface Standard and Protocol</b>	MID RS485 and MODBUS RTU
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<b>Max/Min Active Power</b>	1.0% of full range
<b>Max/Min Reactive Power</b>	1.0% of full range
<b>Max Apparent Power</b>	1.0% of full range
<b>Power Consumption</b>	Less than 8VA
<b>CT Primary 1 and Primary 2</b>	5A to 10,000A (programmable for any value)



Dimensions (mm)

	Height	Width	Depth
JKD250MID	625	930	165.5