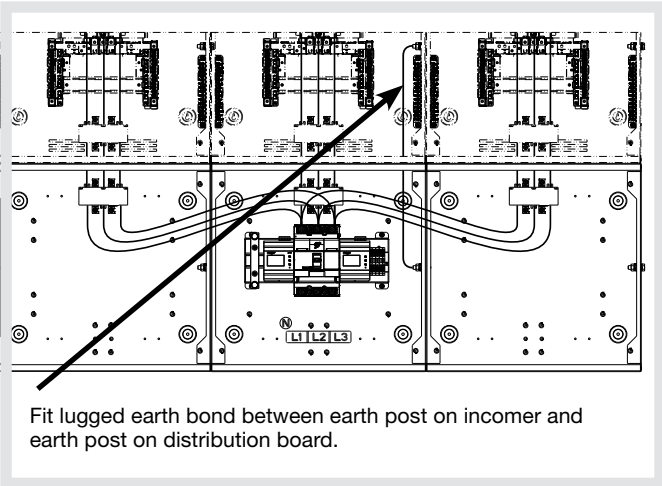
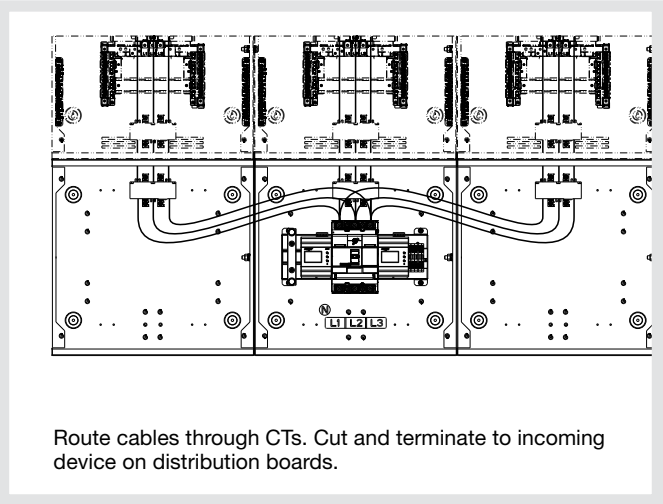
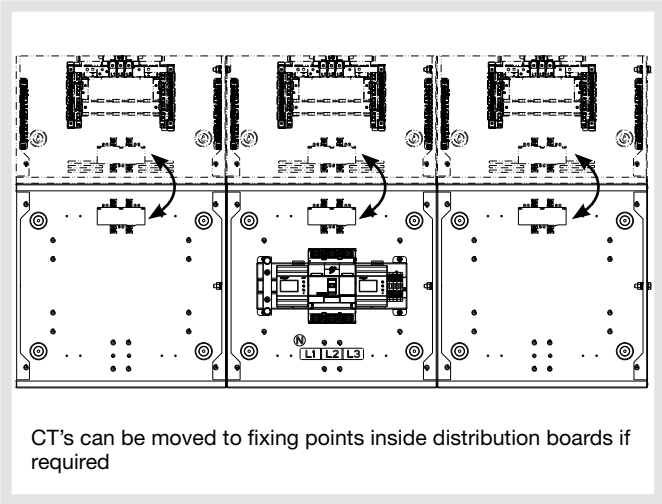
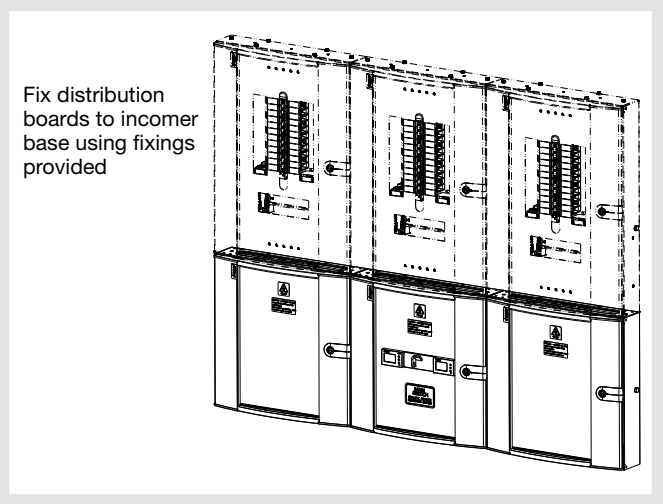
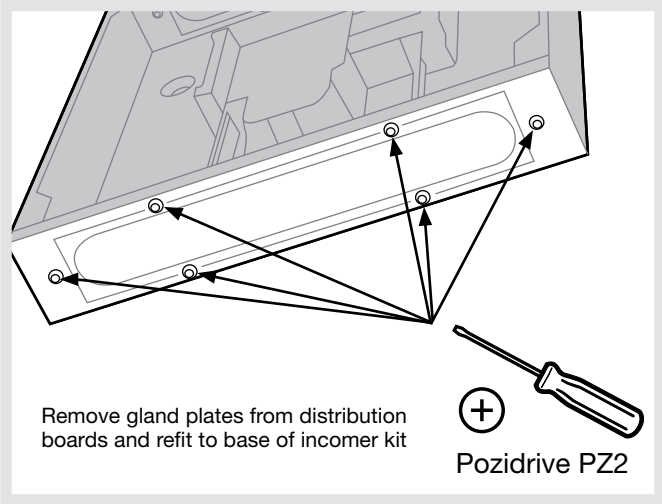
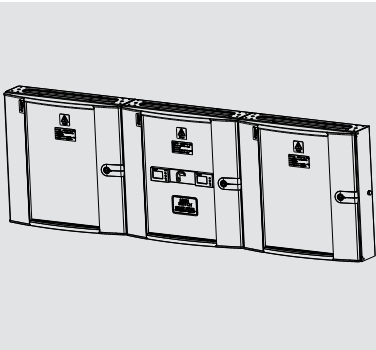


GB JKD 125A Triple MID Metered TP&N
Incomer Instructions/Data Sheet

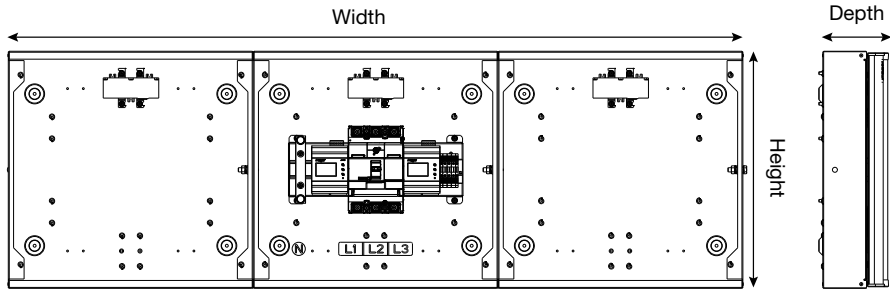


Interface Characteristics

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})
125A
Rated conditional short-circuit current of the ASSEMBLY (I_{cc})
10kA ¹ 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 (f_n)
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

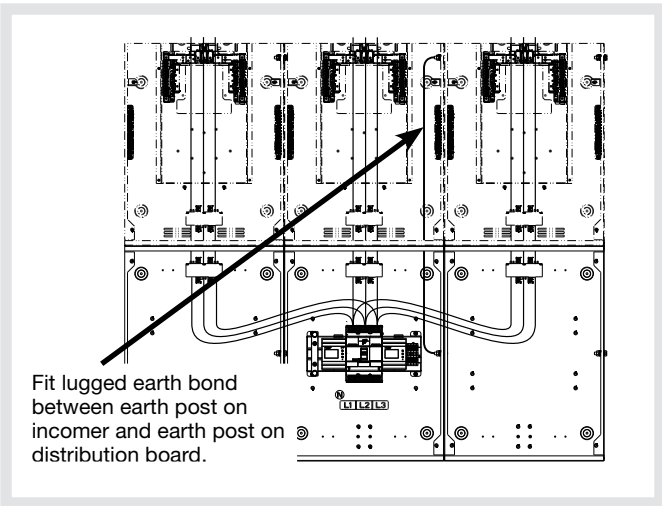
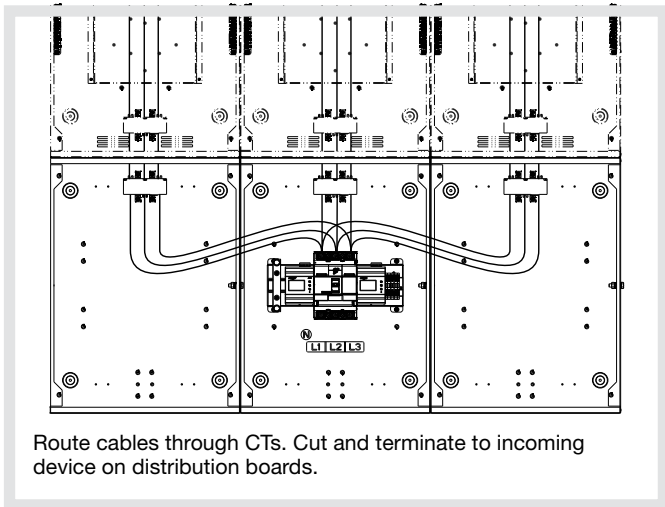
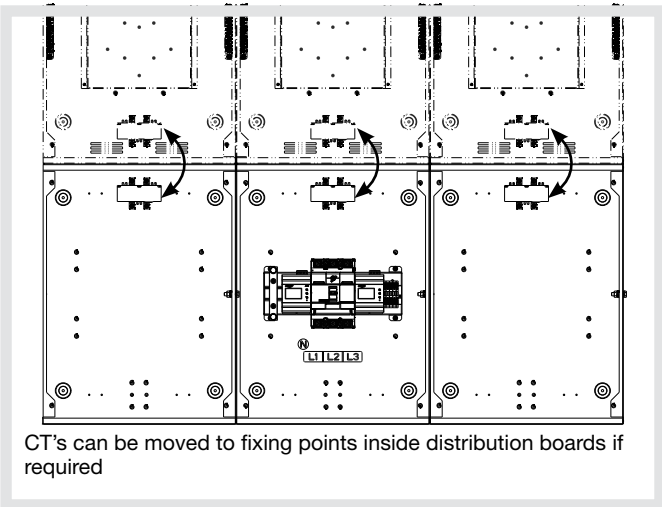
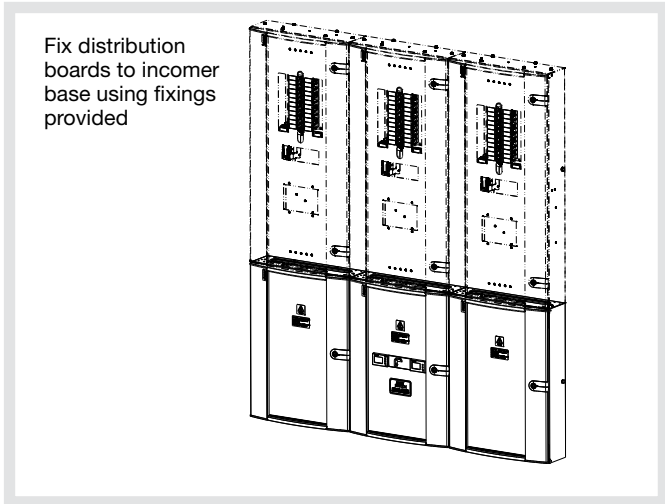
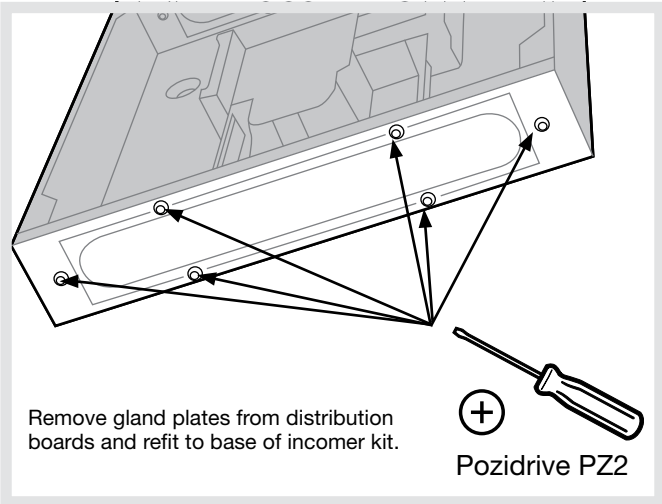
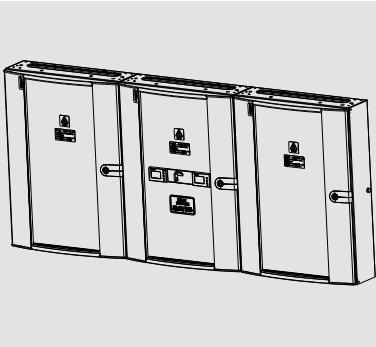
Meter Characteristics

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



Dimensions (mm)			
	Height	Width	Depth
JKD125MID	450	1395	132.5

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



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
Middle Pan Assembly (In) 200A

Rated conditional short-circuit current of the ASSEMBLY (I_{cc})
10kA¹ 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

Supply
60 to 300V AC, 50/60Hz ($\pm 5\%$)

Serial Communication

Interface Standard and Protocol
MID MIDRS485 and MODBUS RTU

Input (CT)

Pluggable RJ 11
Input 1/ Input 2

Output

Pulse Output:
Voltage Range : 24V DC max

Current Capacity : 100mA max

Pulse Duration :
Selectable Between 0.1 to 2.0sec

Pulse Weight :
Selectable between 0.01 to 9.99kWh

Accuracy of meter

Measurement
Accuracy

Voltage VL-N
0.5% of full range

Voltage VL-L
0.5% of full range

Current A
0.5% of full range

Frequency

For L-N Voltage >20V

For L-L Voltage >35V"
0.1% of full range

Active power
1.0% of full range

Apparent Power
1.0% of full range

Reactive Power
1.0% of full range

Power Factor
 $\pm 0.01\%$ of full Range

Active Energy
1.0% of full range

Reactive Energy
1.0% of full range

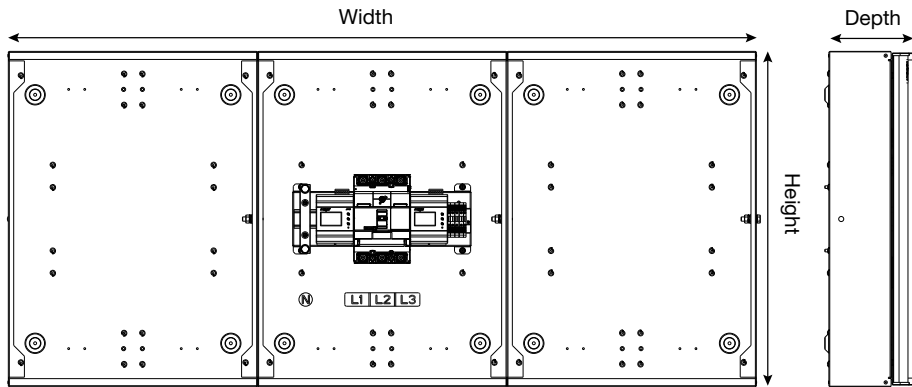
Max/Min Active Power
1.0% of full range

Max/Min Reactive Power
1.0% of full range

Max Apparent Power
1.0% of full range

Power Consumption
Less than 8VA

CT Primary 1 and Primary 2
5A to 10,000A (programmable for any value)



Dimensions (mm)

	Height	Width	Depth
JKD250MID	625	1395	165.5