



JKD250PM

### TP&N Lighting Power & Services Board

For applications where power and lighting need to be metered separately and two individual TP&N boards are to be employed. The dual metered incomer gives space for incoming cables to be terminated and allows the TP&N boards to be selected to suite requirements of the installation. The incomer is supplied complete with fixings and the cables to connect to the TP&N boards, they simply require feeding through the relevant CT and connecting to the incomer for the board.

When connecting the incomer to the TP&N board simply remove the gland plate and bolt the board to the relevant side of the incomer, the edges are protected with an obround feature removing the need for protection of the edges. The gland plate can then be fixed to the bottom of the incomer.

Description

125A Dual Multi Function Metered Incomer Pulsed & MODBUS Side by Side

Cat ref.

**JKD125PM**

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 RHS Pan Assembly ( $I_n$ ) 125A LHS Pan Assembly ( $I_n$ ) 125A
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
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
Incoming Line Terminal	Dependant upon incomer
Incoming Neutral Terminal	50mm <sup>2</sup> Cage
Enclosure Earth Stud	M8

### Meter Characteristics

Supply	60 to 300V AC, 50/60Hz (±5%)
Serial Communication	
Interface Standard and Protocol	RS485 and MODBUS RTU
Input (CT) Pluggable RJ 11	Input 1/ Input 2
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	0.1% of full range
Frequency for L-N 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)

Catalogue Reference	Height (mm)	Width (mm)	Depth (mm)
JKD125PM	625	930	132.5

Board comes supplied with Qty 2 125A direct connection kits and relevant lugs which will need to be fitted to cable.

When utilising different size TP&N boards the completed installation will not be even on the top edge.

