

EB0032/EB0033/EB0035

G83/2 and G59/3 Interface Protection and Control Panel



The Adveco TOTEM CHP, as a Small Scale Embedded Generator (SSEG), is bound by the ENA Engineering Recommendations electricity standards to produce electricity in perfect synchronisation with the grid. An interface protection relay monitors the electricity supply and, in the event of a disturbance, disconnects the local system from the grid within the allotted time period.

Adveco control panels are supplied pre-wired with the IP relay and contactor plus test auxiliary, condition lamps, surge suppression, and volt-free relay outputs for BMS system healthy and fault outputs. A low-amperage 240 V socket outlet is included inside the box to power test equipment.

Optional features include an electric meter with CT's and PLC for use on the incoming grid supply to the building to monitor electricity demand and communicate a 4-20 mA control signal to the CHP for modulation, and a system controller to manage pumps and temperatures on the system side of the buffer vessel.



Final connections within the panel should be completed by the commissioning engineer during commissioning of the unit.

Specifications

Order code	EB0032: With system controller EB0033: Without controller EB0035: With dual stat control
Supply	415 V / 3 phase / 50 Hz
Wiring	L1, L2, L3, N, E
Cable size	10 mm ²
IP relay	Comap Mains Pro
Settings	G59/3 or G83/2
Socket	240 V / 2 A
System controller (EB0032 only)	Resol BX+
Pre-wired sensors	4
Pre-wired pumps	3 (CHW-DHW; CHP-CH; DHW Purge)
Additional	3-port valve for return
BMS inputs	Purge pump run; CH demand enable
BMS outputs	IP relay healthy; trip
Door lamps	4 (IP relay on; CHP connected; CHP disconnected; Surge protection tripped)
Dimensions (w x h x d)	500 mm x 600 mm x 210 mm
Mounting	Wall mounted (brackets included)

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