

ECP 30

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A simple, compact solution for control of three-phase condensing units up to 30 HP.

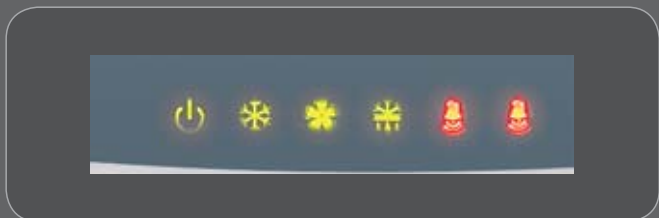
The call can be generated by pressure switch (compressor shutdown in pump-down mode), thermostat or clean contact.

Available version with PWS compressor.



APPLICATIONS

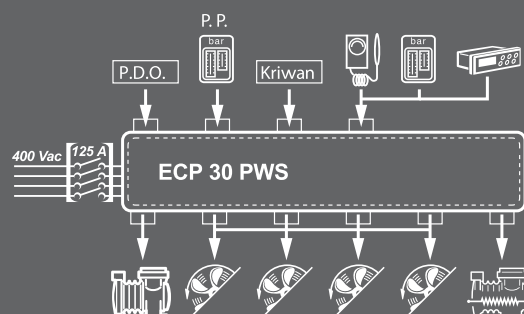
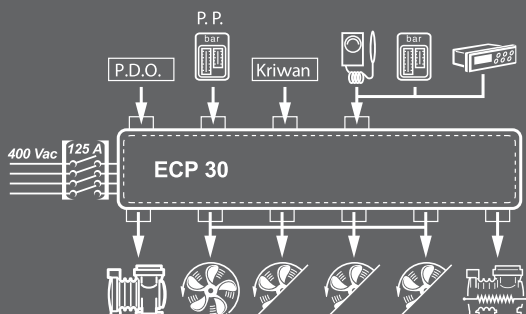
- Control of condensing unit with three-phase compressor up to 30 HP.



MAIN CHARACTERISTICS

- Direct control of compressor, condenser fans and all standard-compliant electrical safeguards.
- Compressor call by pressure switch, thermostat or clean contact.
- Compact unit with self-extinguishing ABS panel and IP65 protection rating plus circuit breaker on front of panel.
- System status indicated by LED icon.

CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS	ECP 30	ECP 30 PWS
BOX DIMENSIONS	470 x 650 x 210 mm	470 x 650 x 210 mm
WEIGHT	10 kg	10 kg
PROTECTION RATING	IP65	IP65
POWER SUPPLY	400 V AC \pm 10% 50-60 Hz	400 V AC \pm 10% 50-60 Hz
LOAD TYPE	THREE-PHASE	THREE-PHASE
WORKING TEMPERATURE	-5 \div +50 °C	-5 \div +50 °C
STORAGE TEMPERATURE	-10 \div +70 °C	-10 \div +70 °C
RELATIVE AMBIENT HUMIDITY	< 90% RH	< 90% RH
MAIN SWITCH	125 A	125 A
OVERLOAD PROTECTION	MOTOR CIRCUIT BREAKER	MOTOR CIRCUIT BREAKER
GENERAL PROTECTION	CIRCUIT BREAKERS	CIRCUIT BREAKERS
CONTROL	EXTERNAL PRESSURE SWITCH	EXTERNAL PRESSURE SWITCH
PUMP-DOWN STOP	PRESENT	PRESENT
INSULATION TRANSFORMER	PRESENT	PRESENT
STATUS INDICATORS	LED	LED
INPUTS		
THERMOSTAT OR PRESSURE SWITCH	PRESENT	PRESENT
OIL DIFFERENTIAL PRESSURE SWITCH	PRESENT	PRESENT
KRIWAN® CONNECTION	PRESENT	PRESENT
CONDENSER FANS REGULATOR PRESS. SWITCH (R.P.S.)	PRESENT	PRESENT
OUTPUTS		
COMPRESSOR	15000 \div 22400 W (20 \div 30 HP)	PWS 15000 \div 22400 W (20 \div 30 HP)
CONDENSER FANS OUTPUT 1	2000 W (3PH) OR 1500 W (1PH)	SEPARATED 2000 W (3PH) OR 1500 W (1PH)
CONDENSER FANS OUTPUT 2	SEPARATED 2000 W (3PH) OR 1500 W (1PH)	SEPARATED 2000 W (3PH) OR 1500 W (1PH)
CONDENSER FANS OUTPUT 3	SEPARATED 2000 W (3PH) OR 1500 W (1PH)	SEPARATED 2000 W (3PH) OR 1500 W (1PH)
CONDENSER FANS OUTPUT 4	SEPARATED 2000 W (3PH) OR 1500 W (1PH)	SEPARATED 2000 W (3PH) OR 1500 W (1PH)
COMPRESSOR OIL HEATER	PRESENT	PRESENT