



# EXPRESS

## Electronic Pump Controller



Dayliff EXPRESS is a high specification multi-function electronic controller suitable for allborehole, waste water, sewage and general water supply pump applications. Controllers are fitted with a digital display that indicates both operating and fault parameters and can be programmed using fascia mounted panel buttons. A range of specifications are available for single and three phase motors, configuration to a particular motor size being effected by adjustments of the maximum running current. Particular features include:

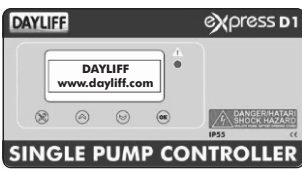
- Incoming mains isolator and door interlock
- Multifunction LCD display of voltage, current, power factor ( $\cos\phi$ ), operating status and system faults
- In built protection for overcurrent, over or under voltage, phase sequence and phase failure.
- In built power factor dry run protection or connections for remote low level float switch/probes provided.
- Connections for various analogue (eg pressure and float switch) or digital (eg PLC's and transducers) signal inputs provided.
- Large enclosure with space for capacitors in single phase pump installations.
- Adjustable maximum operating current and voltage limit settings.
- Twin pump controllers provide for selection of duty/standby, alternate duty cycling with auto trip changeover and parallel operation configurations.

Single and twin pump EXPRESS controllers for DOL start are available as standard while panels for 3 and 4 pump operation and Star-Delta start can be supplied on request.

Dayliff EXPRESS is a fully integrated controller that is adaptable to almost any pump control requirement as well as giving full motor protection and operating and fault status indications. It is compact, simple to install and exceptional value for the functionality provided and the ultimate control solution for all booster pumping requirements.

### CONTROLLER FUNCTIONS

Controller Data	Start Method	Motor Size	Max Current(A)	Dimensions (mm)			Weight (kg)
				H	W	L	
EXPRESS D1-1ph	DOL	0.37-2.2kW	18	320	240	190	2
EXPRESS D1-3ph/7.5	DOL	0.55-7.5kW	16				2.5
EXPRESS D1-3ph/15	DOL	0.55-15kW	32				2.5
EXPRESS D2-1ph	DOL	0.37-2.2kW	18				2.5
EXPRESS D2-3ph/7.5	DOL	0.55-7.5kW	16				3.5



230V 7.0A 1.0b  
PL (L) P2(L) P3 (0)

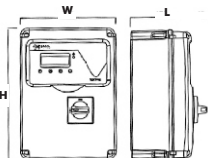
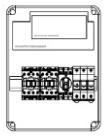
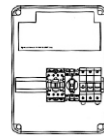
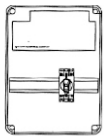
Display of Analogue Signals expressed as a percentage, in meters or Bar

230V 7.0A 0.1  
PL (L) P2(L) P3 (0)

Display of Motor Operating Parameters

230V 0.0A 1.0  
MAN ( ) AUR(\*) PL (L)

Display of Motor Operating Status



Express D1/D2 - 1ph    Express D1 - 3ph    Express D2 - 3ph

Enclosure Class: IP55

Power Supply: 110V-240V/±10% 1ph, 310V - 450V/±10%, 3ph