

Soft starter benefits for BUILDING SERVICES

BENEFIT	FEATURE	COMPRESSOR	ESCALATOR	FAN	PUMP	MOVING SIDEWALK
Protect equipment	Prevent damage due to reverse operation	Phase sequence	■	■	■	■
	Prevent damage from ammonia fluid	Instantaneous overcurrent	■			
	Prevent damage from misalignment of compressor screws		■			
	Prolong life of pumps, pipes, valves and headworks by preventing water hammer	Soft stop			■	
	Early warning of abnormal load conditions (broken couplings, blocked pipes etc)	Undercurrent				□
Maximize productivity	Safely use full motor capacity without nuisance tripping	Motor thermal model		■	■	■
	Maximize operation during periods of high loading		■			
	Control compressor loading according to motor loading	Analog output	■			
Smoother operation	Minimize stress on electrical supply	Reduced start current	■	■	■	■
	Reduce mechanical stress during start		■		■	
	Smooth start for passengers	Gentle acceleration		■		■
	Minimize pressure surges				■	
Intelligent control of the whole system	Override motor and system protections in emergency situations eg fire pumps	Emergency run			■	
	Simplify control circuits by directly connecting pressure switches	Digital inputs			■	