

Cabinet Comparison

170 / 2070, NEMA, ITS, and ATC Cabinets

Comparison Matrix

	Cabinet Type				
	TS 1	TS 2	170 / 2070	ITS	ATC
Safety Features					
Load current monitoring					✓
Flash intersection while replacing output assembly					✓
High-voltage components (over 50V) not exposed per NEC					✓
Main circuit breaker located at point of power service entry per NEC	varies	varies	varies	✓	✓
Main contactor mercury free	varies	varies	varies	✓	✓
Key Cabinet Assemblies					
CMU channels, maximum	18	16	18	32	32
Detector inputs, maximum	8	64	28	120	120
Phase, overlap, and ped outputs, maximum (combined)	18	16	18	32	32
Flasher output monitoring				✓	✓
Programming method	program card	program card	varies	datakey	datakey
Technological Advancements					
Cabinet power architecture	120 VAC	120 VAC	120 VAC	120 VAC	120 VAC & 48 VDC*
High-density components					✓
Airtight flash transfer relay (FTR) - hermetically sealed					✓
FTR LED indicator reports open/close status					✓
Energy Consumption					
LED compatibility	VAC	VAC	VAC	VAC	VAC or VDC*
Switching power supply	varies	✓	varies	varies	✓
Standard Features					
Supports 3rd party hardware and application software	varies	varies	✓	✓	✓
Modular design				✓	✓
Rack mount (EIA) rails			✓	✓	✓
Flash transfer relay / main contactor energized in normal operation	varies	✓	varies	✓	✓
Serial bus communication speed		153 Kbps		614 Kbps	614 Kbps
Testing & Maintenance					
Pluggable surge protector with health indicator	varies	varies	varies	✓	✓
CMU auxiliary display				✓	✓
Diagnostic firmware available			varies	✓	✓

* Ready to support evolution to low-voltage operations, such as less than 2 watt LEDs