

APP988 Controller Selection Guide

Product	CHANNELS AND TRIGGERING			OUTPUT & PULSING						ADVANCED FEATURES	COMMUNICATION INTERFACES					
	Channels	Advanced Trigger Timing	Trigger o/ps	Maximum Current Rating Per Channel			Power		Pulsing		SafeSense™ SafePower™	P-Button	Ethernet	RS232	GigE Vision	
				Continuous (A)	Pulsed (A)	Resolution (mA)	Max o/p Power per Channel (W)	Max o/p Power per Controller (W)	Min pulse width (µs)							Max Trigger Frequency
RC Series Entry-Level Controllers																
RC100	1	-	-	1	1	3	25	25	100	100 Hz	●	●	-	-	-	
RC120	1	-	-	1.2	2	3	25	25	100	100 Hz	●	●	●	-	●	

TR-RC Trinitri Controllers															
TR-RC120	1	-	-	1.2	2	3	25	25	100	100 Hz	●	●	●	-	●
TR-RC122	1	-	-	1.2	7	3	30	30	100	100 Hz	●	●	●	-	●

RT Series Versatile Lighting Controllers															
RT200-2	2	-	-	2	2	1	30	40	20	1 kHz	●	●	-	-	-
RT200-20	2	-	-	3	20	5	30	40	20	1 kHz	●	●	-	-	-
RT200F-2	2	-	-	2	2	1	30	40	1	1 kHz	●	●	-	-	-
RT200F-20	2	-	-	3	20	5	30	40	1	1 kHz	●	●	-	-	-
RT220-2	2	-	-	2	2	1	30	40	20	1 kHz	●	-	●	-	●
RT220-20	2	-	-	3	20	5	30	40	20	1 kHz	●	-	●	-	●
RT220F-2	2	-	-	2	2	1	30	40	1	1 kHz	●	-	●	-	●
RT220F-20	2	-	-	3	20	5	30	40	1	1 kHz	●	-	●	-	●
RT260-2	2	-	-	2	2	1	30	40	20	1 kHz	●	-	-	●	-
RT260-20	2	-	-	3	20	5	30	40	20	1 kHz	●	-	-	●	-
RT260F-2	2	-	-	2	2	1	30	40	1	1 kHz	●	-	-	●	-
RT260F-20	2	-	-	3	20	5	30	40	1	1 kHz	●	-	-	●	-
RT420-2	4	-	-	2	2	1	30	50	20	1 kHz	●	-	●	-	●
RT420-20	4	-	-	3	20	5	30	50	20	1 kHz	●	-	●	-	●
RT420F-2	4	-	-	2	2	1	30	50	1	1 kHz	●	-	●	-	●
RT420F-20	4	-	-	3	20	5	30	50	1	1 kHz	●	-	●	-	●
RT460-2	4	-	-	2	2	1	30	50	20	1 kHz	●	-	-	●	-
RT460-20	4	-	-	3	20	5	30	50	20	1 kHz	●	-	-	●	-
RT460F-2	4	-	-	2	2	1	30	50	1	1 kHz	●	-	-	●	-
RT460F-20	4	-	-	3	20	5	30	50	1	1 kHz	●	-	-	●	-
RT820F-2	8	-	-	2	2	1	30	100	1	1 kHz	●	-	●	-	-
RT820F-20	8	-	-	3	20	5	30	100	1	1 kHz	●	-	●	-	-
RT860F-2	8	-	-	2	2	1	30	100	1	1 kHz	●	-	-	●	-
RT860F-20	8	-	-	3	20	5	30	100	1	1 kHz	●	-	-	●	-

TR-RT Trinitri Lighting Controllers															
TR-RT220-2	2	-	-	2	2	1	30	40	20	1 kHz	●	-	●	-	●
TR-RT220-20	2	-	-	3	20	5	30	40	20	1 kHz	●	-	●	-	●
TR-RT220F-2	2	-	-	2	2	1	30	40	1	1 kHz	●	-	●	-	●
TR-RT220F-20	2	-	-	3	20	5	30	40	1	1 kHz	●	-	●	-	●
TR-RT420-2	4	-	-	2	2	1	30	50	20	1 kHz	●	-	●	-	●
TR-RT420-20	4	-	-	3	20	5	30	50	20	1 kHz	●	-	●	-	●
TR-RT420F-2	4	-	-	2	2	1	30	50	1	1 kHz	●	-	●	-	●
TR-RT420F-20	4	-	-	3	20	5	30	50	1	1 kHz	●	-	●	-	●

RTCC Versatile Lighting Controllers with Trigger Timing Control															
RTCC420-2	4	●	4	2	2	1	30	50	20	1 kHz	●	-	●	-	●
RTCC420-20	4	●	4	3	20	5	30	50	20	1 kHz	●	-	●	-	●
RTCC420F-2	4	●	4	2	2	1	30	50	1	1 kHz	●	-	●	-	●
RTCC420F-20	4	●	4	3	20	5	30	50	1	1 kHz	●	-	●	-	●
RTCC460-2	4	●	4	2	2	1	30	50	20	1 kHz	●	-	-	●	-
RTCC460-20	4	●	4	3	20	5	30	50	20	1 kHz	●	-	-	●	-
RTCC460F-2	4	●	4	2	2	1	30	50	1	1 kHz	●	-	-	●	-
RTCC460F-20	4	●	4	3	20	5	30	50	1	1 kHz	●	-	-	●	-

CHANNELS AND TRIGGERING			OUTPUT & PULSING						ADVANCED FEATURES		COMMUNICATION INTERFACES			
Channels	Advanced Trigger Timing	Trigger o/ps	Maximum Current Rating Per Channel			Power		Pulsing		SafeSense™ SafePower™	GigE			
			Continuous (A)	Pulsed (A)	Resolution (mA)	Max o/p Power per Channel (W)	Max o/p Power per Controller (W)	Min pulse width (µS)	Max Trigger Frequency		P-Button	Ethernet	RS232	Vision

PP Series Lighting Controllers for Volume Applications

PP4, PP5 OEM Lighting Controllers

PP420	4	-	-	2	10	3	96*	96	20	25 kHz	SafeSense	-	●	-	-
PP420F	4	-	-	2	10	3	96*	96	1	50 kHz	SafeSense	-	●	-	-
PP500	2	-	-	2	10	3	96*	96	20	25 kHz	SafeSense	●	-	-	-
PP500F	2	-	-	2	10	3	96*	96	1	50 kHz	SafeSense	●	-	-	-
PP520	2	-	-	2	10	3	96*	96	20	25 kHz	SafeSense	●	●	-	-
PP520F	2	-	-	2	10	3	96*	96	1	50 kHz	SafeSense	●	●	-	-

PP8, PP16 High Performance, 8-channel & 16-channel controllers for fast applications

PP820	8	-	-	2	20	100	96*	576	1	100 kHz	-	-	●	-	-
PP820C	8	-	-	2	20	5	96*	576	1	100 kHz	-	-	●	-	-
PP821	8	-	-	2	2	10	96*	576	1	100 kHz	-	-	●	-	-
PP821C	8	-	-	2	2	0.5	96*	576	1	100 kHz	-	-	●	-	-
PP822	8	-	-	2	5	25	96*	576	1	100 kHz	-	-	●	-	-
PP822C	8	-	-	2	5	1.5	96*	576	1	100 kHz	-	-	●	-	-
PP860	8	-	-	2	20	100	96*	576	1	100 kHz	-	-	-	●	-
PP860C	8	-	-	2	20	5	96*	576	1	100 kHz	-	-	-	●	-
PP861	8	-	-	2	2	10	96*	576	1	100 kHz	-	-	-	●	-
PP861C	8	-	-	2	2	0.5	96*	576	1	100 kHz	-	-	-	●	-
PP862	8	-	-	2	5	25	96*	576	1	100 kHz	-	-	-	●	-
PP862C	8	-	-	2	5	1.5	96*	576	1	100 kHz	-	-	-	●	-

PPCC16 High Performance, 16-channel controllers with trigger timing control

PPCC1620	16	●	8	2	20	5	96*	576	1	100 kHz	-	-	●	-	-
PPCC1621	16	●	8	2	2	1	96*	576	1	100 kHz	-	-	●	-	-
PPCC1660	16	●	8	2	20	5	96*	576	1	100 kHz	-	-	-	●	-
PPCC1661	16	●	8	2	2	1	96*	576	1	100 kHz	-	-	-	●	-

*Theoretical output

High Speed and High-Power Controllers

FP220	2	●	4	3	20	0.1/5	30	60	1	10 kHz	●	-	●	-	●
TR-HT220-50	2	●	4	5	50	0.6/15	150	300	1	30 kHz	●	-	●	-	●
TR-HT260-50	2	●	4	5	50	0.6/15	150	300	1	30 kHz	●	-	-	●	-

Trigger Timing Controller

	Digital Inputs	Digital Outputs									P-Button	Ethernet	RS232	Vision
CC320	8	8	-	-	-	-	-	-	-	-	●	●	-	-

Optotune Liquid Lens Controllers

	Input	Output									P-Button	Ethernet	RS232	Vision
TR-CL180	Digital (3V-24V) Analogue (0-10V)	-400mA to +400mA	-	-	-	-	-	-	-	-	●	●	●	●

Distributor: