



**HORSTMANN**

## **HEATING PROGRAMMER REPLACEMENT AND WIRING GUIDE**



**Horstmann.  
We're in control.**

If you're replacing a central heating programmer you could just fit what was there before.

Or go one better and fit Horstmann.

This handy guide shows you which of our programmers, from a straightforward electromechanical to a 2 channel 7 day programmer is the perfect match. Often you can simply plug in without even having to rewire.

Whichever one you select you can be sure that it's well designed, beautifully engineered and bang up with the latest spec. You won't be replacing it in a hurry.

#### USING THE GUIDE

First locate the existing programmer or time switch in the left hand column (you'll find most leading makes and models).

Then simply follow the colour coded line over to the far right to find the recommended Horstmann replacement.

The colour of the line indicates if it is a direct plug-in replacement or not.

Where a 24 hour programmer or time switch is recommended, its 7 day equivalent can be used and fitted in the same way (See guide on page 4).

**Horstmann. We're in control**



# PROGRAMMER COMPATIBILITY GUIDE

Manufacturer	Model	Electro-Mechanical											Recommended Replacement	
		Electronic	24 Hour	5/2 Day	7 Day	Single Channel	Two Channel	Single Circuit	Two Circuit	1.5 Circuits	Timeswitch	Mini-Programmer		Programmer
ACL-Drayton	FP	x	x			x		x				x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	LP111		x	x		x	x			x				CentaurPlus C11
	LP112		x	x		x		x				x	x	CentaurPlus C21
	LP241		x	x			x	x						CentaurPlus C21
	LP522		x		x		x	x					x	CentaurPlus C27
	LP711		x			x	x	x			x			CentaurPlus C17
	LP722		x			x		x					x	CentaurPlus C27
	LS111		x	x		x		x			x			CentaurPlus C11
	LS112		x	x					x		x		x	CentaurPlus C21 or ChannelPlus H21XL
	LS241		x	x			x	x					x	CentaurPlus C21
	LS522		x		x		x	x					x	CentaurPlus C27
	LS711		x			x	x	x			x			CentaurPlus C17
	LS722		x			x	x	x					x	CentaurPlus C27
	MP	x	x			x		x					x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 300	x		x		x	x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	Switchmaster 320	x		x		x			x		x		x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 350	x		x		x			x	x	x		x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 400	x		x		x				x	x		x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 600	x		x		x			x		x		x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 805	x		x		x			x				x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 900	x		x		x			x				x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 9000		x	x		x	x		x				x	CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 9001		x	x		x			x				x	CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 905	x		x		x			x				x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Switchmaster 980	x		x		x	x				x			425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	Switchmaster Sonata		x			x	x		x				x	CentaurPlus C27 or ChannelPlus H27XL
	TC	x		x		x	x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	Tempus 1		x	x		x	x			x				CentaurPlus C11 or ChannelPlus H11XL
	Tempus 2		x		x		x			x				CentaurPlus C17 or ChannelPlus H17XL
	Tempus 3		x	x		x			x				x	CentaurPlus C21
	Tempus 4		x		x		x			x			x	CentaurPlus C27
	Tempus 6		x	x		x			x				x	CentaurPlus C21
	Tempus 7		x			x	x			x			x	CentaurPlus C27
Danfoss Randall	102	x		x		x			x		x		x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	102E		x	x		x			x	x	x		x	CentaurPlus C21 or ChannelPlus H21XL
	102E5		x		x		x		x	x	x		x	CentaurPlus C27 or ChannelPlus H27XL
	102E7		x			x	x			x	x		x	CentaurPlus C27 or ChannelPlus H27XL
	103	x		x		x	x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	103E		x	x		x	x			x				CentaurPlus C11 or ChannelPlus H11XL
	103E5		x		x		x			x				CentaurPlus C17 or ChannelPlus H17XL
	103E7		x			x	x			x				CentaurPlus C17 or ChannelPlus H17XL
	3001	x		x		x	x			x				425 Coronet or ChannelPlus H11XL
	3002	x		x		x			x				x	425 Diadem or ChannelPlus H21XL
	3020P	x		x		x			x		x		x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	3033	x		x		x			x				x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	3060	x		x		x			x				x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	4033	x		x		x			x				x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	701		x	x		x			x		x		x	CentaurPlus C21 or ChannelPlus H21XL
	702		x	x		x			x				x	CentaurPlus C21 or ChannelPlus H21XL
	911		x	x		x	x			x				CentaurPlus C11 or ChannelPlus H11XL
	917		x			x	x			x				CentaurPlus C17 or ChannelPlus H17XL
	922		x	x			x			x			x	CentaurPlus C21 or ChannelPlus H21XL
	971		x			x	x			x				CentaurPlus C17 or ChannelPlus H17XL
	972		x			x			x				x	CentaurPlus C27 or ChannelPlus H27XL
	CP15		x	x			x			x			x	CentaurPlus C21
	CP75		x			x	x			x			x	CentaurPlus C27
	CP715		x	x	x	x	x						x	CentaurPlus C27
	FP15		x	x			x			x			x	CentaurPlus C21
	FP75		x			x	x			x			x	CentaurPlus C27
	FP715		x	x	x	x	x						x	CentaurPlus C27
	FP975		x		x	x	x						x	ChannelPlus H27XL
	MP15		x	x			x			x			x	CentaurPlus C21
	MP75		x			x	x			x			x	CentaurPlus C27
	SET 1		x	x			x	x		x				ChannelPlus H11XL

## The colour of your line indicates the following information

- Direct plug in replacement
- Direct plug in replacement with simple minor wiring changes\*
- Replacement and re-wiring of backplate required\*
- Replace backplate but terminal connections remain the same

\*Please see wiring comparison tables located on pages 6 & 7 of this guide

# PROGRAMMER COMPATIBILITY GUIDE

Manufacturer	Model	Electro-Mechanical											Recommended Replacement			
		Electronic	24 Hour	5/2 Day	7 Day	Single Channel	Two Channel	Single Circuit	Two Circuit	1.5 Circuits	Timeswitch	Mini-Programmer		Programmer	Common Time Base	
Danfoss Randall	SET 1E	x	x			x		x			x					ChannelPlus H11XL
	SET 2	x	x			x				x		x		x		ChannelPlus H21XL
	SET 2E	x	x			x				x		x		x		ChannelPlus H21XL
	SET 3E	x	x			x				x				x	x	ChannelPlus H21XL
	SET 3M	x	x			x				x				x	x	425 Diadem/Tiara or ChannelPlus H21XL
	SET 4	x		x		x		x			x					ChannelPlus H17XL
	SET 5	x		x		x				x				x	x	ChannelPlus H27XL
	TS15	x	x			x		x			x					CentaurPlus C11
	TS75	x			x	x		x			x					CentaurPlus C17
	TS715	x		x	x			x			x					CentaurPlus C17
	TS975	x	x	x	x	x					x					ChannelPlus H17XL
Gloworm	Masterminder	x	x			x				x				x	x	CentaurPlus C21
Honeywell	ST1000	x		x		x				x				x	x	425 Tiara or ChannelPlus H21XL
	ST1501	x	x					x		x				x		ChannelPlus H21XL
	ST1507	x			x		x	x		x				x		ChannelPlus H27XL
	ST6100A	x	x			x		x			x					CentaurPlus C11 or ChannelPlus H11XL
	ST6100C	x			x	x		x			x					CentaurPlus C17 or ChannelPlus H17XL
	ST6200A	x	x			x				x		x		x		CentaurPlus C21
	ST6300A	x	x			x				x				x	x	CentaurPlus C21
	ST6400C	x			x		x			x				x		CentaurPlus C27
	ST6450B	x		x			x			x				x		CentaurPlus C27
	ST699B Fully Pumped	x	x			x				x				x	x	CentaurPlus C21 or ChannelPlus H21XL
	ST699B - Gravity	x	x			x				x				x	x	CentaurPlus C21 or ChannelPlus H21XL
	ST7000A	x	x			x				x		x		x		CentaurPlus C21 or ChannelPlus H21XL
	ST7000B	x	x			x		x			x					CentaurPlus C11 or ChannelPlus H11XL
	ST7100	x		x			x			x				x		CentaurPlus C27 or ChannelPlus H27XL
	ST799A	x			x	x				x				x	x	CentaurPlus C27 or ChannelPlus H27XL
Horstmann	423 Amethyst 10	x	x			x				x				x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	423 Amethyst 7	x	x			x				x				x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	423 Diamond	x	x			x				x				x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	423 Emerald	x	x			x		x			x					425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	423 Pearl Auto	x	x			x		x			x					425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	424 Coral	x	x			x				x		x		x		425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	424 Diamond	x	x			x				x				x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	424 Emerald	x	x			x		x			x					425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	424 Gem	x	x			x				x				x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	424 Pearl Auto	x	x			x		x			x					425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	425 Coronet	x	x			x		x			x					425 Coronet or ChannelPlus H11XL
	425 Diadem	x	x			x				x				x	x	425 Diadem or ChannelPlus H21XL
	425 Tiara	x		x			x							x	x	425 Tiara or ChannelPlus H21XL
	517	x			x	x		x			x					ChannelPlus H17XL
	525	x	x					x		x				x		ChannelPlus H21XL
	527	x			x		x			x				x		ChannelPlus H27XL
	Centaur SC1	x	x			x		x			x					CentaurPlus C11 or ChannelPlus H11XL
	Centaur SC7	x		x		x		x			x					CentaurPlus C17 or ChannelPlus H17XL
	Centaur TC1	x	x			x				x		x		x		CentaurPlus C21
	Centaur TC7	x		x		x				x		x		x		CentaurPlus C27
Landis & Gyr	RWB100	x	x			x		x			x					CentaurPlus C11
	RWB102	x	x			x				x		x		x		CentaurPlus C21 (Mid Position System - Use Gravity Mode)
	RWB152	x		x		x		x			x					CentaurPlus C17
	RWB170	x			x	x		x			x					CentaurPlus C17
	RWB2	x		x		x				x				x	x	CentaurPlus C21
	RWB20	x			x	x				x				x	x	CentaurPlus C27
	RWB200	x	x			x				x				x	x	CentaurPlus C21
	RWB252	x		x				x		x				x		CentaurPlus C27
	RWB270	x			x		x			x				x		CentaurPlus C27
	RWB3	x		x		x		x			x					CentaurPlus C11
	RWB30	x		x		x		x			x					CentaurPlus C11
	RWB40	x	x			x		x			x	x				CentaurPlus C21
	RWB50	x	x			x		x			x					CentaurPlus C11
	RWB7	x	x	x	x	x		x			x					CentaurPlus C17
	RWB9	x	x	x	x		x			x				x		CentaurPlus C27
Myson	Microtimer One	x	x			x		x						x		CentaurPlus C21 or ChannelPlus H21XL
	Microtimer Seven	x			x		x			x				x		CentaurPlus C27 or ChannelPlus H27XL

24 Hour	7 Day
CentaurPlus C11	CentaurPlus C17
ChannelPlus H11XL	ChannelPlus H17XL
CentaurPlus C21	CentaurPlus C27
ChannelPlus H21XL	ChannelPlus H27XL

For clarity the compatibility guide generally recommends replacements which are 24 hour programmers / timeswitches. All cases where a 24 hour programmer is stated as the recommended replacement, it's seven day equivalent can be used and fitted in the same way. (See left)



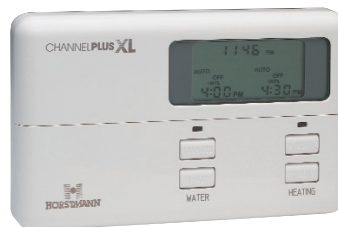
# PROGRAMMER COMPATIBILITY GUIDE

Manufacturer	Model	Electro-Mechanical	Electronic	24 Hour	5/2 Day	7 Day	Single Channel	Two Channel	Single Circuit	Two Circuit	1.5 Circuits	Timeswitch	Mini-Programmer	Programmer	Common Time Base	Recommended Replacement
Pegler Sunvic	MP2	x	x			x				x		x	x			CentaurPlus C21 or ChannelPlus H21XL
	Select107	x	x	x	x	x						x				CentaurPlus C17
	Select207	x	x	x	x		x							x		CentaurPlus C27
	SP100	x				x	x		x					x		CentaurPlus C27 or ChannelPlus H27XL
	SP2	x	x	x	x		x							x		CentaurPlus C27
	SP20	x	x				x		x			x				CentaurPlus C11 or ChannelPlus H11XL
	SP25	x	x				x			x			x		x	CentaurPlus C21 or ChannelPlus H21XL
	SP30	x	x				x			x			x		x	CentaurPlus C21 or ChannelPlus H21XL
	SP35	x				x	x		x			x				CentaurPlus C17 or ChannelPlus H17XL
	SP50	x	x					x		x				x	C	CentaurPlus C21 or ChannelPlus H21XL
Potterton	EP2000	x	x				x		x				x	x		CentaurPlus C21 or ChannelPlus H21XL
	EP2001	x		x			x		x				x	x		CentaurPlus C27 or ChannelPlus H27XL
	EP2002	x		x			x		x				x	x		CentaurPlus C21 or ChannelPlus H21XL
	EP3000	x				x	x		x				x	x		CentaurPlus C27 or ChannelPlus H27XL
	EP3001	x				x	x		x				x	x		CentaurPlus C27 or ChannelPlus H27XL
	EP3002	x				x	x		x				x	x		CentaurPlus C27 or ChannelPlus H27XL
	EP4000	x	x				x		x			x				CentaurPlus C11 or ChannelPlus H11XL
	EP4001	x		x			x		x			x				CentaurPlus C17 or ChannelPlus H17XL
	EP4002	x		x			x		x			x				CentaurPlus C17 or ChannelPlus H17XL
	EP5002	x				x	x		x			x				CentaurPlus C17 or ChannelPlus H17XL
	EP6000	x				x		x	x					x		CentaurPlus C27 or ChannelPlus H27XL
	EP6002	x				x		x	x					x		CentaurPlus C27 or ChannelPlus H27XL
	Mini Minder	x		x			x		x					x	x	CentaurPlus C21
Mini Minder E	x		x			x		x					x	x	CentaurPlus C21	
Mini Minder ES	x		x			x		x			x				CentaurPlus C11	
Sangamo	409 form 8	x		x			x		x							425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	410 form 8	x		x			x		x							425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	M5	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	M6	x		x			x		x							425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
Smiths Industries	Centroller 100	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Centroller 1000		x	x			x		x					x	x	CentaurPlus C21
	Centroller 30	x		x			x		x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	Centroller 40	x		x			x		x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	Centroller 50	x		x			x		x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	Centroller 60	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Centroller 70	x		x			x			x			x	x		425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Centroller 90	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Centroller MK1	x		x			x		x				x			425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	Centroller MK2	x		x			x		x				x			425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
Towerchron	DP72		x			x		x	x						x	CentaurPlus C27
	DT71		x			x	x	x				x				CentaurPlus C17 or ChannelPlus H17XL
	QE1		x			x	x	x				x				CentaurPlus C17 or ChannelPlus H17XL
	QE2		x			x		x	x					x		CentaurPlus C27
	T2001	x		x			x		x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	T2001Q	x		x			x		x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	T2002	x		x			x			x		x				425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	T2002Q	x		x			x			x		x				425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	T2003	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
T2003Q	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL	
Venner	CHC/W2	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Venetrol 80	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Venetrol 80M	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Venetrol 80P	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Venetrol 80P/M	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Venner T10	x		x			x		x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL
	Venner T20	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Venner T30	x		x			x		x					x	x	425 Diadem/Tiara or CentaurPlus C21 or ChannelPlus H21XL
	Venotime	x		x			x		x			x				425 Coronet or CentaurPlus C11 or ChannelPlus H11XL

CentaurPlus



ChannelPlusXL



425 Series



# WIRING COMPARISON TABLE

## Programmers

		MAINS			HW	CH	HW	CH		
		E	N	L	OFF	OFF	ON	ON	Spare	
		CentaurPlus C21 or C27XL								
		E	N	L	1	2	3	4	None	
ACL- Drayton	FP	E	2	1	8	11	6	10	3	
	LS112	E	N	L	2		3	4		
	MP	E	2	1			6	10	3,7,8	
	Switchmaster 320	E	N, 2	L			3	1		
	Switchmaster 350	E	N, 2	L			3	1		
	Switchmaster 400	E	N	L		4	3	1	2	
	Switchmaster 600	E	N	L			3	1	2, 4	
	Switchmaster 805	E	N	L	4	2	3	1		
	Switchmaster 900	E	N	L	4	2	3	1	A,B,C	
	Switchmaster 9000	E	N	L	4	2	3	1	A,B,C	
	Switchmaster 9001	E	N	L	4	2	3	1	A,B,C	
	Switchmaster 905	E	N	L	4	2	3	1		
	Switchmaster Sonata		N	L	3	6	1	4		
Danfoss Randall	102	E	5	6			1	2		
	102E	E	5	6			1	2		
	102E5	E	5	6			1	2		
	102E7	E	5	6			1	2		
	3020P	8	1,7	6			4	2	3,5	
	3033	8	1,7	6	5	3	4	2		
	3060	8	1,7	6			4	2	3,5	
	4033	8	7	6	5	3	4	2		
	701	E	N	L	4	2	3	1		
	702	E	N	L	4	2	3	1		
	922	E	N	L	1	4	3	6		
	972	E	N	L	1	4	3	6		
	FP715	E	N	L	3	1	2	4		
Honeywell	ST699B-Fully Pumped	E	N	L	7	4	6	3		
	ST699B-Gravity	E	N	L			8	3		
	ST7000A		N	L	2		3	4		
	ST7100	E	N	L	7	4	8	5		
	ST799A		N	L	7	4	6	3		
Horstmann	423 Amethyst 10	E	2,3	1	4	6	5	7		
	423 Amethyst 7	E	2,3	1	4	6	5	7		
	423 Diamond	E	N	L			2	4	5,6	
	424 Coral	E	2,3	1			8	4	5,6	
	424 Diamond	E	N	L/1			2	4	5	
	424 Gem	E	2,3	1	6	9	4	7		
Landis & Gyr	RWB20		N	L	1	2	3	4		
Myson	Microtimer One		N	L	7	4	6	3		
	Microtimer Seven		N	L	7	4	6	3		
Pegler Sunvic	MP2		N	L		HW OFF		HW ON	CH ON	
	SP100	E	N	L	1	4	2	5	S,S	
	SP2	E	N	L	1	4	3	6		
	SP25	E	N	L	1		2	5	S,S,4	
	SP30	E	N	L	1		2	5	S,S,4	
	SP50	E	N	L	1	4	2	5	S,S	
Potterton	EP2000	E	N	L	1	2	3	4	A,B,C,D	
	EP2001	E	N	L	1	2	3	4	A,B,C,D	
	EP2002	E	N	L	1	2	3	4	A,B,C,D	
	EP3000	E	N	L	1	2	3	4	A,B,C,D	
	EP3001	E	N	L	1	2	3	4	A,B,C,D	
	EP3002	E	N	L	1	2	3	4	A,B,C,D	
	EP6000	E	N	L	1	2	3	4	A,B,C,D	
	EP6002	E	N	L	1	2	3	4	A,B,C,D	
Sangamo	M5	E	4,5	3			1	6		
Smiths Industries	Centroller 100	E	N	L			3	2	1,4	
	Centroller 60	E	1	2			5	4	3,6	
	Centroller 70	E	1	2			5	4	3,6	
	Centroller 90	E	1	2			5	4	3,6	
Towerchron	T2002	E	N	L				HW ON	CH ON	
	T2002Q	E	N	L				HW ON	CH ON	
	T2003	E	N	L	HW OFF	CH OFF	HW ON	CH ON		
	T2003Q	E	N	L	HW OFF	CH OFF	HW ON	CH ON		
Venner	CHC/W2	E	N,2,4	L			1	A/S	A/S,3	
	Venetrol 80	E	N,1,3,4	L			2		5	
	Venetrol 80M	E	N,3	L	1	4	2		5	
	Venetrol 80P	E	N,1,3	L			2	A/S	A/S,4,5	
	Venetrol 80P/M	E	N,3	L	1	4	2	A/S	A/S, 5	
	Venner T20	E	N	L			1	4		
	Venner T30	E	N	L	1	3	2	4		

		MAINS			HW	HW	CH	CH			
		E	N	L	ON	COM	OFF	ON	COM	OFF	Spare
		425 Diadem/Tiara or ChannelPlus H21/H27XL									
		E	N	L	1	2	3	4	5	6	None
		E	2	1	6		8	10		11	3
		E	N	L	3		2	4			
		E	2	1	6			10			3,7,8
		E	N,2	L	3	4		1			
		E	N,2	L	3	4		1			
		E	N	L	3			1		4	2
		E	N	L	3			1			2,4
		E	N	L	3		4	1		2	A,B,C
		E	N	L	3		4	1		2	A,B,C
		E	N	L	3		4	1		2	A,B,C
		E	N	L	3		4	1		2	
			N	L	1		3	4		6	
		E	5	6	1	3		2			
		E	5	6	1	3		2			
		E	5	6	1	3		2			
		E	5	6	1	3		2			
		8	1,7	6	4			2			3,5
		8	1,7	6	4		5	2		3	
		8	1,7	6	4			2			3,5
		8	7	6	4		5	2	1	3	
		E	N	L	3	6	4	1	5	2	
		E	N	L	3	6	4	1	5	2	
		E	N	L	3	2	1	6	5	4	
		E	N	L	3	2	1	6	5	4	
		E	N	L	2		3	4		1	
		E	N	L	6	8	7	3	5	4	
		E	N	L	8	6		3	5		
			N	L	3		2	4			
		E	N	L	8	6	7	5	3	4	
			N	L	6	8	7	3	5	4	
		E	2,3	1	5		4	7		6	
		E	2,3	1	5		4	7		6	
		E	N	L	2	1		4	3		5,6
		E	2,3	1	8			4	7		5,6
		E	N	L/1	2			4	3		5
		E	2,3	1	4	5	6	7	8	9	
			N	L	3		1	4		2	
			N	L	6	8	7	3	5	4	
			N	L	6	8	7	3	5	4	
			N	L		HW OFF		HW ON	CH ON		
		E	N	L	2		1	5	3	4	S,S
		E	N	L	3		1	6		4	
		E	N	L	2		1	5	3		S,S,4
		E	N	L	2		1	5	3		S,S,4
		E	N	L	2		1	5	3	4	S,S
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	N	L	3		1	4	5	2	A,B,C,D
		E	4,5	3	1			6			
		E	N	L	3			2			1,4
		E	1	2	5			4			3,6
		E	1	2	5			4			3,6
		E	1	2	5			4			3,6
		E	N	L				HW ON		CH ON	
		E	N	L				HW ON		CH ON	
		E	N	L	HW ON	COM	HW OFF	CH ON	COM	CH OFF	
		E	N	L	HW ON	COM	HW OFF	CH ON	COM	CH OFF	
		E	N,2,4	L	1			A/S			A/S,3
		E	N,1,3,4	L	2			A/S			A/S,5
		E	N,3	L	2		1	A/S		4	A/S,5
		E	N,1,3	L	2			A/S			A/S,4,5
		E	N,3	L	2		1	A/S		4	A/S, 5
		E	N	L	1			4			
		E	N	L	2		1	4		3	

# WIRING COMPARISON TABLE

## Timeswitches

		MAINS					
		E	N	L	SPARE	COM	OFF ON
		CentaurPlus C11 or C17					
		E	N	L	1	2	3 4
ACL-Drayton	LP111		N	L	4	1	2 3
	LP711		N	L	4	1	2 3
	LS111		N	L	4	1	2 3
	LS711		N	L	4	1	2 3
	Switchmaster 300		N,2	L		4	1
	Switchmaster 980		N	L		4	1
	TC		2	1			7
	Tempus 1		N	L	4	1	3 2
	Tempus 2		N	L	4	1	3 2
Danfoss Randall	103	4	5	6	2	3	1
	103E	4	5	6	2	3	1
	103E5	4	5	6	2	3	1
	103E7	4	5	6	2	3	1
	911	E	N	L	2	5	4 6
	917	E	N	L	2	5	4 6
	971	E	N	L	2	5	4 6
	TS15		N	L	5,6	1	2 4
	TS75		N	L	5,6	1	2 4
Honeywell	ST6100A		N	L	3	1	2 4
	ST6100C		N	L	3	1	2 4
	ST7000B		N	L			2 3
Horstmann	423 Emerald	E	N	L	5,6	3	4
	423 Pearl Auto	E	N	L	5,6	3	4
	424 Emerald	E	N	L/1	5	3	4
	424 Pearl Auto	E	N	L/1	5	3	4
	Centaur SC1	E	N	L	4	1	2 3
	Centaur SC7	E	N	L	4	1	2 3
Pegler Sunvic	SP20	E	N	L	5	3	4 5
	SP35	E	N	L	5	3	4 5
	Select 107	E	N	L		1	2 3
Potterton	EP4000	E	N	L	A,B,C,D	5	2 4
	EP4001	E	N	L	A,B,C,D	5	2 4
	EP4002	E	N	L	A,B,C,D	5	2 4
	EP5002	E	N	L	A,B,C,D	5	2 4
Sangamo	409 form 8		N,3	L,5		1	6 2
	410 form 8	E	4,5	3	6,7,8	2	1
	M6	E	4	6		3	2 1
Smiths Industries	Centroller 30	E	1	2		3,6	4,5
	Centroller 40	E	1	2		3,6	4,5
	Centroller 50	E	2	1,5			4
	Centroller Mk1		N	L		3	2
	Centroller Mk2		N	L		3	2
Towerchron	DT71		N	L		3	2 4
	QE1		N	L	1	3	2 4
	T2001		N	L			7
	T2001Q		N	L			7
Venner	Venner T10	E	N	L		2	1 3
	Venotime	E	N	L	2		1 3

		MAINS					
		E	N	L	SPARE	ON	COM OFF
		425 Coronet or ChannelPlus H11/H17XL					
		E	N	L	1,2,3	4	5 6
			N	L	4	3	1 2
			N	L	4	3	1 2
			N	L	4	3	1 2
			N	L	4	3	1 2
			N,2	L		1	4
			N	L		1	4
			2	1			7
			N	L	4	2	1 3
			N	L	4	2	1 3
		4	5	6	2	1	3
		4	5	6	2	1	3
		4	5	6	2	1	3
		4	5	6	2	1	3
		E	N	L	2	6	5 4
		E	N	L	2	6	5 4
		E	N	L	2	6	5 4
			N	L	5,6	4	1 2
			N	L	5,6	4	1 2
			N	L	3	4	1 2
			N	L	3	4	1 2
			N	L		3	2
		E	N	L	5,6	4	3
		E	N	L	5,6	4	3
		E	N	L/1	5	4	3
		E	N	L/1	5	4	3
		E	N	L	4	3	1 2
		E	N	L	4	3	1 2
		E	N	L	5	5	3 4
		E	N	L	5	5	3 4
		E	N	L		3	1 2
		E	N	L	A,B,C,D	4	5 2
		E	N	L	A,B,C,D	4	5 2
		E	N	L	A,B,C,D	4	5 2
		E	N	L	A,B,C,D	4	5 2
			N,3	L,5		1	2 6
		E	4,5	3	6,7,8	1	2
		E	4	6		1	3 2
		E	1	2		4,5	3,6
		E	1	2		4,5	3,6
		E	2	1,5		4	
			N	L		2	3
			N	L		2	3
			N	L		4	3 2
			N	L	1	4	3 2
			N	L		7	
			N	L		7	
		E	N	L		3	2 1
		E	N	L	2	3	1

**Note:** Before removing any existing programmer it is essential to make a note of wire colours, terminal positions and numbers in relation to the existing backplate. The above charts only include programmers or timeswitches where wiring changes are necessary when fitting our recommended replacement. Where a direct plug-in replacement is available or where terminal connections do not change the appropriate replacement is shown on the Programmer Compatibility Guide overleaf.

**Programmers:** The CentaurPlus, ChannelPlus and 425 Series models detailed within the programmer table do not have any SPARE or LINKING terminals. If spare terminals have been used on the programmer being replaced then any connected wires should be removed and re-connected into a separate piece of terminal block.

**Timeswitches:** Terminal 1 on the CentaurPlus and Terminals 1, 2 & 3 on the ChannelPlus and 425 Coronet models detailed within the Timeswitch table are SPARE or LINKING terminals. In the event that the number of spare terminals used on the timeswitch being replaced exceeds those detailed above then any connected wires should be removed and re-connected into a separate piece of terminal block.

**Wires from different spare terminals should not be joined together.**

The information contained in this manual is intended for guidance only and is believed to be correct. Horstmann Controls Ltd can accept no liability for any errors or omissions and reserve the right to make changes at any time without notice.

Installation and connection should only be carried out by a suitably qualified person and in accordance with the current edition of the IEE wiring regulations.



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