

Typical street price:

HomeVision-Pro	HomeVision	StarGate	TimeCommander +	Ocelot	Leopard
\$925	\$595	\$995	\$595	\$175	\$375

**SUMMARY OF STANDARD FEATURES**

Two-way X-10	Yes	Yes	Yes	Yes	Yes	Yes
Infrared transmit	Yes	Yes	No	No	Yes	Yes
Infrared receive	Yes	Yes	No	No	Yes	Yes
Perform events by time	Yes	Yes	Yes	Yes	Yes	Yes
Video on TV	Yes	Yes	No	No	No	No
Digital inputs/outputs	Yes	Yes	Yes	Yes	No	No
User-controllable serial port	Yes	Yes	Yes	Yes	Partial	Partial
Touchscreen	No	No	No	No	No	Yes
Thermostat control	Yes	Yes	Partial	Partial	Partial	Partial
Security system control	Yes	Yes	Yes	No	No	No
Telephone control	No	No	Yes	No	No	No
Voice mail	No	No	Yes	No	No	No
Voice output	No	No	Yes	No	No	No
Web browser/internet control	Yes	Yes	No	No	No	No
Data logging	Yes	Yes	Partial	Partial	No	No
Programming capability	Excellent	Excellent	Excellent	Very good	Good	Good

**DETAILS**

**X-10:**

Support ACT T1103 interface (for improved performance over TW523/PSC05)	Yes (with future software upgrade)	No	No	No	No	No
Two-way X-10	Yes	Yes	Yes	Yes	Yes	Yes
# of addresses supported	All 256	All 256	All 256	All 256	All 256	All 256
# of function codes supported	All 16	All 16	10	10	All 16	All 16
Received X-10 sequences	Up to 10 signals long	Up to 10 signals long	Up to 6 signals long	Up to 6 signals long	No	No
PCS light module support	Yes	Yes	Yes	Yes	Yes	Yes
RCS thermostat control/status	Yes	Yes	Yes	Yes	Yes	Yes
"Scene" control	Yes	Yes	Yes	Yes	Yes	Yes
Preset-dim control	Yes	Yes	Yes	Yes	Yes	Yes
Transmit extended codes	Yes	Yes	Yes	Yes	Yes	Yes
Receive extended codes	No	No	No	No	No	No
Two-way X-10 module status	Yes	Yes	Yes	Yes	Yes	Yes
Collision avoidance, error detection, automatic retry	Yes	Yes	Yes	Yes	Unknown	Unknown
Transmits 1-phase or 3-phase	User-selectable	User-selectable	3-phase only	3-phase only	3-phase only	3-phase only

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**INFRARED:**

Included with unit?	Yes	Yes	No (requires separate unit, about \$250 - see details below)	No (requires separate unit, about \$250 - see details below)	Yes	Yes
Transmit method	Built-in connector and terminal block	Built-in LED and connector	Connector only	Connector only	Connector only	Connector only
Can receive IR?	Yes (through emitter or jack)	Yes (through emitter)	No	No	Yes	Yes
Infrared output zones	1 built-in (8 with expansion board)	1 built-in (8 with expansion board)	No	No	1 built-in (16 with expansion module)	1 built-in (16 with expansion module)
Signal learning	Yes	Yes	Yes	Yes	Yes	Yes
Measures carrier frequency while learning signal	Yes (any frequency between 10kHz and 100kHz)	Yes (any frequency between 10kHz and 100kHz)	No (but user can select from 6 values from 20kHz to 85kHz)	No (but user can select from 6 values from 20kHz to 85kHz)	No	No
Variable transmit duty cycle	Yes	Yes	No	No	No	No
Number of learned signals	255	255	250 (500 optional)	250 (500 optional)	1024	1024
Can receive learned signals	Yes	Yes	Yes	Yes	Yes	Yes
Power sensor input jacks	No, but may connect them to digital input port	No, but may connect them to digital input port	Yes (4)	Yes (4)	No	No

**TIMED EVENT CONTROL:**

Schedule events by time	Yes	Yes	Yes	Yes	Yes	Yes
Change event times without PC	Yes	Yes	No	No	No	No
Sunrise/sunset calculation	Yes	Yes	Yes	Yes	Yes	Yes
Daylight savings time adjustment	Yes (U.S., Europe, and custom)	Yes (U.S., Europe, and custom)	Yes (U.S. only)	Yes (U.S. only)	Yes (U.S. only)	Yes (U.S. only)
Adjust clock within schedule	Yes	Yes	No	No	No	No
Random event times	Yes	Yes	Yes	Yes	No	No
Timer resolution/accuracy	0.01 second	0.01 second	1 second	1 second	1 second	1 second

**VIDEO INPUT/OUTPUT:**

Included with unit?	Yes	Yes	No (none available)	No (none available)	No (none available)	No (none available)
Format	NTSC or PAL	NTSC or PAL				
Overlay on incoming video	Yes	Yes				
Built-in screens	>50	>50				
Semi-custom menus	16	16				
Fully-custom screens	Yes	Yes				
Thermostat control screens	Yes	Yes				
Security system control screens	Yes	Yes				
Weather conditions screen	Yes	Yes				
Event log screen	Yes	Yes				
Caller ID display on TV	Yes	Yes				

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**DIGITAL INPUTS/OUTPUTS:**

Included with unit?	Yes	Yes	Yes	Yes	No (optional)	No (optional)
Digital inputs	8 or 16 (switch closure or voltage inputs; user-selectable)	8 or 16 (switch closure or voltage inputs)	16 (opto-isolated only)	16 (opto-isolated only)		
Digital outputs	8	8	0	0		
Relay outputs	8 SPDT relays	8 relay drivers (requires external relays)	8 SPDT relays	8 SPDT relays		
Analog inputs	4 (16 more with expansion boards)	0 (16 with expansion boards)	8	8		
Digital temperature sensors	64	64 (16 with expansion boards)	0	0	0	0

**SERIAL INTERFACE:**

USB port	Yes	No	No	No	No	No
User-controllable serial port?	Yes	Yes	Yes	Yes	Yes	Yes
Number	3 (2 can be RS-485)	1	4 (1 is RS-485)	1	2 (1 is RS-485)	2 (1 is RS-485)
Baud rate	User selectable: 1200 to 19,200	User selectable: 1200 to 19,200	9600 on main port; other ports are selectable	9600	9600	9600
Transmit (output) capability	ASCII, binary, variable values, etc.	ASCII, binary, variable values, etc.	ASCII, binary, variable values, etc.	ASCII, binary, variable values, etc.	Only fixed ASCII text, not variables	Only fixed ASCII text, not variables
Receive (input) capability	ASCII, binary	ASCII, binary	ASCII only	ASCII only	None	None
Maximum receive data length	254 bytes	254 bytes	32 bytes	32 bytes	Not applicable	Not applicable
Automatic event reporting to PC	Yes	Yes	No	No	No	No
Add-on serial ports available:	Yes	Yes	No	No	No	No
Baud rates	300 - 19,200	300 - 19,200				
RS-485 full/half duplex modes	Yes	Yes				
Maximum total ports	4	4	4	1	2	2

**THERMOSTAT CONTROL:**

Direct support included?	Yes	Yes	Yes	Yes	Yes	Yes
Thermostat zones supported	16	16	16	16	16	16
Automatic thermostat control	Yes (8 times/temperatures per day for 2 zones)	Yes (8 times/temperatures per day for 2 zones)	No	No	No	No
Support for RCS X-10 stats	Yes	Yes	Yes	Yes	Partial	Partial
Read status from RCS <i>bidirectional</i> stats	Yes	Yes	Yes	Yes	Partial	Partial
Supports RCS serial stats	Yes	Yes	Yes	No	No	No
Support for StatNet serial stats	Yes (when connected to PC)	Yes (when connected to PC)	Yes	No	No	No
General control of other thermostat types	Yes	Yes	No	No	No	No
TV scheduling screen	Yes	Yes	No	No	No	No
TV status/control screen	Yes	Yes	No	No	No	No
Telephone status/control	No (optional)	No (optional)	Yes	No (optional)	No	No
PC status/control screen	Yes	Yes	Yes	Yes	No	No

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**SECURITY SYSTEM CONTROL:**

Direct support included?	Yes	Yes	Yes	No (none available)	No (none available)	No (none available)
Supports CADDX NetworX serial alarms	Yes	Yes	Yes			
General control of other alarm systems	Yes	Yes	No			
Number of zones supported	64	64	64			
TV status/control screen	Yes	Yes	Yes			

**PHONE AND AUDIO CONTROL:**

Included with unit?	No - requires add-on unit: HomeVision-Phone/Serial or CID (details below)	No - requires add-on unit: HomeVision-Phone/Serial or CID (details below)	Yes	No - requires add-on unit: TeleCommander (details below)	No (none available)	No (none available)
Approximate price	\$185	\$185	NA (included)	\$295		
Communications method to automation controller	Hard-wired (extremely fast and reliable)	Hard-wired (extremely fast and reliable)	Hard-wired (extremely fast and reliable)	Via X-10 only		
Detects touchtone (DTMF) signals	Yes	Yes	Yes	Yes		
Touchtone inputs trigger actions	Yes. Can trigger any action(s)	Yes. Can trigger any action(s)	Yes. Can trigger any action(s)	Yes. Triggers X-10 xmit only, on house codes A-J, units 1-9		
Read touchtone inputs into variables (i.e., enter thermostat setpoint)	Yes	Yes	Yes	No		
Generates touchtone (DTMF) signals upon command	Yes	Yes	Yes	No		
Can dial out to pager	Yes	Yes	Yes	No		
Detects on/off hook status	Yes	Yes	Yes	No		
Can take phone on/off hook	Yes (at any time)	Yes (at any time)	Yes	No (only to auto-answer phone)		
Provides rings count to automation system	Yes	Yes	Yes	No		
Detects caller ID	Yes (with HomeVision-Phone/CID)	Yes (with HomeVision-Phone/CID)	Yes	No		
Control from inside/outside home	Yes	Yes	Yes	Yes		
Password for remote calls	Yes. Up to 7 digits long	Yes. Up to 7 digits long	Yes	Yes. 4 digits long		
Intercom capabilities	No	No	Yes	Yes		
Voice-mail	No	No	Yes	No		
Voice output	With PC software	With PC software	Yes	With PC software	With optional module	With optional module

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**COMPUTER INTERFACE CAPABILITIES:**

Control from web browser	Yes	Yes	No	No	No	No
Programmable from another PC or over the Internet	Yes	Yes	No	No	No	No
Voice recognition	Yes (with HAL, Home Voice, ACE, or HomeSeer)	Yes (with HAL, Home Voice, ACE, or HomeSeer)	Yes (with HAL, Home Voice)	Yes (with HAL, Home Voice)	Yes (with HAL, HomeSeer)	Yes (with HAL, HomeSeer)
Text-to-Speech	Yes (with Home Voice, ACE, or HomeSeer)	Yes (with Home Voice, ACE, or HomeSeer)	Yes (with Home Voice)	Yes (with Home Voice)	No	No
Play WAV files on PC	Yes	Yes	Yes	Yes	No	No
Run other programs on PC	Yes	Yes	Yes	Yes	No	No
Send keystrokes to other program on PC	Yes	Yes	Yes	Yes	No	No
Create and write to text files on PC	Yes	Yes	No	No	No	No
Automatic log file on PC	Yes	Yes	Yes	Yes	No	No
Access other PC serial ports	Yes	Yes	No	No	No	No
DDE communications with other PC programs	Yes	Yes	No	No	No	No

**OTHER FEATURES:**

Built-in touchscreen	No	No	No	No	No	Yes
In-wall keypads supported	No	No	Yes (about \$400 each)	No	No	No
Data log (ASCII or binary data)	>65,000 bytes	>65,000 bytes	8,000 bytes	8,000 bytes	No	No
Event log (text)	256 lines (any events or custom text)	256 lines (any events or custom text)	200 X-10 events only	200 X-10 events only	No	No
Caller ID	With HomeVision-Phone/CID or PC	With HomeVision-Phone/CID or PC	Yes	No	No	No
Remote control via modem	Yes	Yes	Yes	Yes	No	No
Status LEDs	43	7	4	3	3	0
User-controllable LEDs	1	1	No	No	No	No
Automatic schedule backups	Yes	Yes	No	No	No	No
Power failure recovery process	Yes (user has complete control)	Yes (user has complete control)	Yes (but more limited than HomeVision)	Yes (but more limited than HomeVision)	No. Only some variables retained after power loss	No. Only some variables retained after power loss
Backup battery life	5 years (user-replaceable)	12 years	Unknown	Unknown	Unknown	Unknown

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**PROGRAMMING CAPABILITY:**

Maximum schedule length	>8000 lines	>8000 lines	6000-8000 lines	3000-4000 lines	2048	2048
# of commands available	454 (note 1)	454 (note 1)	Approximately 160	Approximately 120	Approximately 70	Approximately 70
# of If-Then conditions available	171 (note 1)	171 (note 1)	Approximately 135	Approximately 100	Approximately 90	Approximately 90
Levels of If-Then "nesting"	15	15	3	3	None	None
# of macros	255	255	256 ("Then" macros)	256 ("Then" macros)	None (not real macros)	None (not real macros)
# of flags	255	255	256	256	0	0
# of timers	255	255	32	32	64	64
# of variables	255	255	256	256	128 (but only 109 can really be used)	128 (but only 109 can really be used)
# of periodic events (with variable rates)	255	255	0	0	0	0
Variable math	Yes	Yes	Yes	Limited	No	No

**PERFORMANCE:**

Controller response time	Fastest (0.02 seconds typical)	Fastest (0.02 seconds typical)	Fast, but could be up to several seconds	Up to several seconds	Unknown	Unknown
Selectable daily clock adjustment for increased accuracy	Yes	Yes	No	No	No	No
Warranty	3 years, parts and labor	3 years, parts and labor	2 years, parts and labor	2 years, parts and labor	1 year	1 year

**EXPANSION CAPABILITY:**

Maximum serial ports	4	4	4	1	2	2
Maximum outputs	48	48	40	72	Many (# unknown)	Many (# unknown)
Maximum digital inputs	96	96	80	112	Many (# unknown)	Many (# unknown)
Maximum analog inputs	20	16	40	40	Many (# unknown)	Many (# unknown)

Note 1: Each controller uses a slightly different method for defining commands and conditions, sometimes making a one-to-one comparison difficult. We've done our best to count these in a consistent manner to provide a fair and valid comparison.

HouseLinc	TouchLinc
\$220	\$395

Yes	Yes
Yes	No
No	No
Yes	No
No	No
No	No
No	No
No	Yes
No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
Very limited	Very limited

No	No
Yes	Yes
All 256	All 256
8	8
No	No
Yes	Yes
Yes	No
Yes	Yes
Yes	Yes
No	Yes
No	No
No	No
Unknown	Unknown
3-phase only	3-phase only







HouseLinc

TouchLinc



HouseLinc	TouchLinc
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No	No
No	No
Yes (with Home Voice, HomeSeer)	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No

No	Yes
No	No
No	No
No	No
No	No
No	No
2	0
No	No
No	No
No	No
Unknown	Unknown

HouseLinc	TouchLinc
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Very limited	Very limited
10	8
10	0
None	None
0	0
0	0
0	0
0	0
0	0
No	No

Relatively slow	Not applicable (unit doesn't respond)
No	No
Unknown	Unknown

1	1
0	0
0	0
0	0