

LIGHTING CONTROL

ON / OFF RELAY	✓	✓	
240 PHASE DIMMING	✓	✓	
DALI DIMMING	✓	✓	CERTAIN KNX MODULES HAVE "DALI8" WHICH CONTROLS TUNE-ABLE WHITE COLOUR RENDERING TO HELP WITH CIRCADIAN RHYTHM (DIMS AND CHANGES FROM WARM WHITE TO DAYLIGHT). KNX CAN CONFIGURE DALI DEVICES REMOTELY
0-10V DIMMING	✓	✓	
PWM DIMMING	✓		KNX ALLOWS FOR DIMMING OF LED STRIP LIGHTING
DMX DIMMING	✓	✓	CERTAIN KNX MODULES PROVIDE 2-WAY DMX. ALLOWING DMX CONTROL PANELS TO CONTROL KNX DEVICES, E.G. A KNX RELAY TO CONTROL HOUSE LIGHTS IN A THEATRE

SHADE CONTROL

INTERIOR BLINDS / CURTAINS	✓	✓	
EXTERNAL BLINDS / CURTAINS	✓	✓	
LOUVERED ROOFS	✓	✓	
POSITION CONTROL - SET TO X%	✓		
AUTOMATIC HEATING / COOLING SUPPORT	✓		
SAFETY POSITION IN RAIN / WIND AUTO	✓		C-BUS CAN DO THIS VIA INTEGRATION OF THIRD-PARTY WIND SENSORS INTO INPUT MODULES AND SOME ADDITIONAL PROGRAMMING - KNX ALLOWS US TO SELECT THE WIND SPEED AT WHICH THE SYSTEM REACTS TO WIND PROTECTION
CONTROL WITH SUN POSITION	✓		

CEILING FANS

CEILING FANS (AC)	✓	✓	
CEILING FANS (DC VIA 0-10V)	✓	✓	

SECURITY ALARM, CAMERAS AND ACCESS

ARM / DISARM ALARMS AND VIEW NOTIFICATIONS	✓		INTEGRATE YOUR SECURITY ALARM INTO THE EVE APP FOR SEAMLESS ONE BUTTON ARMING AND DISARMING FUNCTIONALITY
VIEW SECURITY CAMERA FOOTAGE AND RECEIVE NOTIFICATIONS	✓		SECURITY CAMERA FOOTAGE CAN BE VIEWED DIRECTLY ON THE EVE APP OR VIA THE SECURITY CAMERA APP (HIKVISION / UNIFI)
UNLOCK AND LOCK GATES AND DOORS	✓		CONTROL ACCESS TO YOUR PROPERTY DIRECTLY VIA THE EVE APP TO OPEN GATES, GARAGE ROLLER DOORS, HOUSE DOORS AND MORE

METERING AND SENSING

MOTION SENSING (INDOOR / OUTDOOR)	✓	✓	CERTAIN KNX SENSORS ARE THE SMALLEST AND MOST FLUSH ON THE MARKET. THEY ARE AVAILABLE IN WHITE OR IN FULL BLACK, INCLUDING THE LENS
BRIGHTNESS	✓	✓	
TEMPERATURE	✓	✓	KNX HAS A MUCH LARGER PRODUCT RANGE IN THIS AREA: UFH PROBES, TANK SENSORS. CERTAIN CEILING-MOUNTED MOTION SENSORS ALSO CAN READ A ROOM'S TEMPERATURE TO HELP WITH HVAC
HUMIDITY DETECTION	✓		CERTAIN KNX MOTION SENSORS AND WALL-MOUNTED THERMOSTATS HAVE HUMIDITY DETECTION BUILT IN. THIS HELPS WITH HVAC CONTROL OR TO AUTOMATICALLY CONTROL EXTRACTION FANS IN BATHROOMS/LAUNDRY
WEATHER	✓		KNX HAS WEATHER STATIONS THAT HELP WITH EXTERNAL BLIND/LOUVER PROTECTION (WIND/RAIN), AUTO BLINDS ON SUN POSITION, HELP WITH HVAC SYSTEMS, IRRIGATION SYSTEMS (CANCEL SCHEDULES IF IT HAS RAINED OR ADD WATERING IF HOT)
ENERGY METERING	✓		KW + KW/H MEASUREMENTS, MONETARY AND CO2 EMISSIONS CONVERSIONS, ACTIVE ENERGY USAGE. ENERGY METERS CAN BE USED FOR MONITORING AS WELL AS 'LOAD SHIFTING', SO THAT HIGH ENERGY USE ITEMS ARE USED AT SMARTER TIMES
AIR QUALITY, GAS / CO2 / HUMIDITY	✓		CO2 CONCENTRATION (CAN TRIGGER VENTILATION) DEWPOINT - PREVENTS MOULD

WATER		✓		KNX PROVIDES: TANK SENSORS (CAN CONTROL LEVELS OF WATER TANKS, POOLS ETC.), WATER DETECTION SENSORS (FLOODING DETECTION OF PLANT ROOMS, KITCHENS, BATH-ROOMS ETC.) & WATER CONSUMPTION METERS
POOL CONTROL		✓		DETECTS PH AND OTHER FACTORS AND CAN CONTROL DOSING OF CHEMICALS. ALERTS SENT ON SET THRESHOLDS. CONTROL ELECTRIC POOL COVERS, CHLORINATORS, POOL LIGHTING AT THE PUSH OF A BUTTON IN THE EVE APP
IRRIGATION SENSORS		✓		CONTROLS IRRIGATION SYSTEMS BASED ON REAL-TIME READINGS OF THE SOIL'S TEMPERATURE, HUMIDITY & MOISTURE
HVAC (HEATING, VENTILATION & AIR CONDITIONING)				
DEDICATED HVAC CONTROL HARDWARE		✓		KNX HAS AN ARRAY OF PRODUCT TO CONTROL AC SPLIT AND VRV SYSTEMS, UNDER-FLOOR HEATING MANIFOLDS, DEDICATED FAN COIL UNITS AND EVEN GEOTHERMAL HVAC
THERMOSTATS		✓		CERTAIN KNX LIGHT SWITCHES CAN READ THE ROOMS TEMPERATURE AND HAVE INBUILT THERMOSTAT CONTROL - ALLOWING LARGE THERMOSTAT WALL CONTROLLERS TO BE HIDDEN
AUTO ADJUST HVAC ON OCCUPANCY		✓		CERTAIN KNX SWITCHES AND SENSORS HAVE INBUILT PRESENCE DETECTION THAT SET THE HVAC FROM "COMFORT" TO "ECONOMY" - ECONOMY WIDENS THE SETPOINTS SO A ROOM STAYS WITHIN LIMITS WHEN THE HOME IS OCCUPIED. COMFORT TIGHTENS THE SETPOINTS WHEN PRESENCE IN A ROOM IS DETECTED
DEDICATED ROOM VENTILATION CONTROL		✓		
SYSTEM INTEGRATION (DIRECT)				
IP/LAN		✓	✓	
BACNET		✓	✓	
MODBUS		✓	✓	
RS232 / 485		✓	✓	
RADIO FREQUENCY (RF)		✓		
EXPANDABLE OVER IP		✓	✓	C-BUS REQUIRES A HEAD-END SERVER TO ACHIEVE THIS, AS WELL AS AN IP INTERFACE ON EACH NETWORK - KNX JUST REQUIRES A KNX IP INTERFACE ON EACH NETWORK
OTHER				
DIRECT SONOS INTEGRATION				KNX HAS SONOS MODULES THAT ALLOW DIRECT CONTROL OVER SONOS FROM KNX DEVICES E.G. A WALL SWITCH (PAUSE/PLAY, SKIP/PREVIOUS, TRIGGER PLAYLISTS, CONTROL VOLUME, MUTE ETC.)
DIRECT VOICE CONTROL				KNX HAS DIRECT VOICE CONTROL MODULES THAT ALLOW SIMULTANEOUS INTEGRATION OF APPLE HOMEKIT, AMAZON ALEXA & GOOGLE HOME. CALL COMMANDS AND QUERY STATUS OF ALL KNX CONNECTED DEVICES. C-BUS CAN HAVE VOICE CONTROL VIA A THIRD-PARTY, PAID, CLOUD SUBSCRIPTION SERVICE
RANGE OF SWITCHES TECPORT SUPPLIES AND INSTALLS HIGH QUALITY ZENNIO PROGRAMMABLE TOUCH SCREEN AND CAPACITIVE TOUCH BUTTON (CUSTOMISABLE) SWITCHES				KNX HUNDREDS OF BRANDS WITH MULTIPLE MODELS - LOW END OPTIONS TO PREMIUM OPTIONS SUCH AS ZENNIO C-BUS CLASSIC - 30M MECHANISMS (FIT ANY CLIPSAL OR ZETR PLATE), REFLECTION (METAL STYLE), SATURN GLASS, SATURN ZEN - THE SATURN SERIES INCLUDES EDLT MODEL WITH SMALL INBUILT SCREEN.
NETWORK LANGUAGE				KNX IAN OPEN WORLDWIDE STANDARD, PRODUCTS THAT GO TO MARKET HAVE TO BE APPROVED BY THE KNX ASSOCIATION TO MAINTAIN QUALITY AND RELIABILITY C-BUS MANUFACTURER OWNED LANGUAGES/PROTOCOLS
AVAILABLE COUNTRIES		170	60-70	
ERROR CORRECTION / REPORTING		✓	✓	
EVE APP		✓		CONTROL ALL ASPECTS OF YOUR AUTOMATION SOLUTION THROUGH AN EASY TO USE CUSTOMISABLE APP
CREATE CUSTOMISABLE SCENARIOS		✓		CREATE SCENARIOS TAILORED TO YOUR INDIVIDUAL NEEDS E.G. LOCK ALL DOORS, ARM SECTIONS OF THE HOUSE OR WHEN COMING HOME PUSH A BUTTON ON THE APP THAT OPENS GATES/ROLLER DOORS, DISARMS ALARM AND UNLOCK DOORS
MULTIROOM AUDIO		✓		
HOME CINEMA		✓		