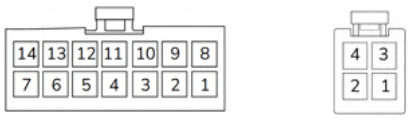
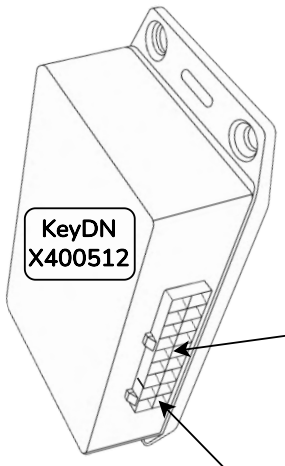
Pinout KeyDN X400512



X1/14-pin connector (cable view)

X2/4-pin connector (cable view)

For information on how to install the electrolyte sensor (G006320) and other sensors not listed in the diagram, please refer to the "Key Accessories Installation Procedure"



VBAT+/Pin 1 (Red cable) — FUSE — (+)

VBAT-/Pin 2 (Black cable) — (-)

Battery (12V-120VDC)

IP1/Pin 3 (Yellow cable) — FUSE — Key switch signal (reffered to VBAT+)

C00234*

X1

IP2/Pin 4 Positive digital Input (optional, usually reverse signal)
AIN/Pin 5 Analogue Input 2 0-10V (optional)
IN1/Pin 6 Negative Input 1 (optional)
IN2/ Pin 7 Negative Input 2 (optional)

RL1/Pin 8-9 (Grey cables)

ECU (Elettronic Control Unit)
Relay 1 COM Pin 8
Relay 1 N.O. Pin 9

AIN/Pin 14 Analogue Input 1 0-5V (Green cable)

RL2/Pin 10-11 (optional)

Relay 2 COM Pin 10
Relay 2 N.O. Pin 11

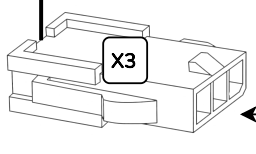
X2

C00234*/C100401

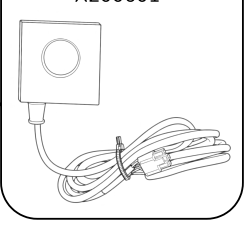
RL3/Pin 12-13 (optional)

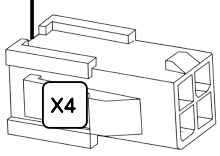
Relay 3 COM Pin 12
Relay 3 N.O. Pin 13

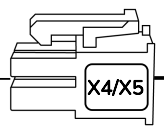
CAN H
CAN L



Current Sensor X200601







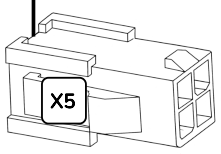
C00208*

For information on installing the "KiwiRoof'", "KiwiCall" and "KiwiBridge" devices, please refer to the relevant procedures.

KiwiRoof K001460

KiwiCall X001520

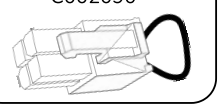
KiwiBridge K001580



X4/X5

CAN Terminated Devices

Termination Resistor C002090

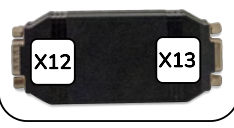


Anticollision X*01330

C00208*

CANGateway X001480

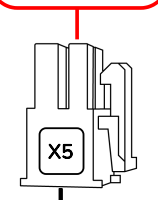
C00252*

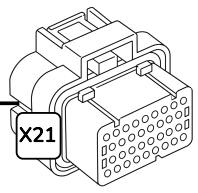


C00253*

Please note:
Internal 120 Ohm CAN termination X12 must be ENABLED!
Manage 120 Ohm CAN termination on X13 side according to ECU needs

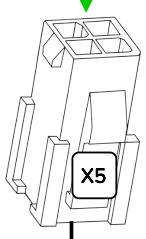
CAN connection to the Key for accessories powered by 12-24 VDC





KiwiPad X006910

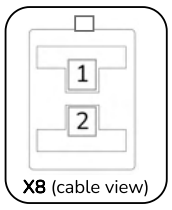
Connect CAN-terminated devices here if the kit includes accessories powered by 12-24 VDC



KeyTouch XF01380D

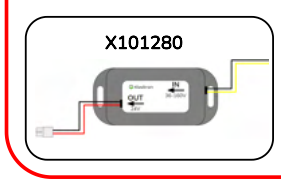
or **KeyAdvanced** XF01380

Power Supply 12-24 VDC under key
VCC/Pin1 (Red cable)
GND/Pin2 (Black cable)
(Ex. **X101280** or **K008270**)

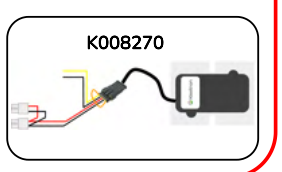


X8 (cable view)

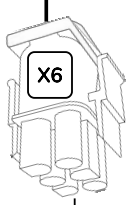
X101280

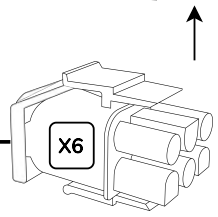


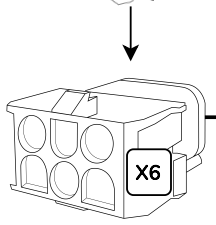
Or **K008270**



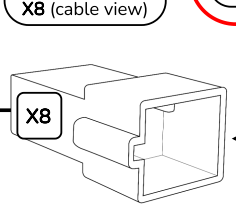
C00270*

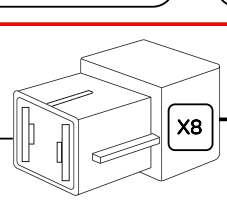


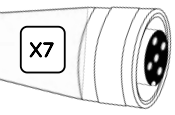




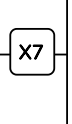
C00215*







C00216*



KiwiEye X00101*

or **Stack Light** G000660

or **Radar** G000670

or **CANopen Anticollision** X001331/X101331

or **KiwiOrion** X007240

Caption

optional	The Key package includes three C002190 units, which can be used for all optional inputs/outputs
*	The asterisk at the end of the wiring code refers to the different versions (0 to 9) of the code that are compatible with the diagram (Example: the code C00208* may refer to either C002080 or C002082; both codes are compatible with the diagram)
○ (blue)	The colour blue highlights devices that can be connected to the Key system but are not shown in the diagram: separate diagrams are available for these; please refer to the relevant sections on the website www.kiwitron.com
○ (green)	The green colour highlights devices with an integrated CAN termination (120 Ohm)
○ (red)	The red colour indicates that the power supply must be kept under lock and key. If the vehicle's voltage exceeds 24V, a DCDC converter must be fitted: we recommend Kiwitron power supplies like the X101280 (one DCDC converter is required for each accessory in the kit) or the K008270 (which can power up to five accessories per kit)

Rev	Date	Description
Rev: 3	29/05/2026	Revision of wording
Rev: 2	22/11/2024	Added new power supply
Rev: 1	06/02/2024	Product name rebranded

Data/Date: 18/06/2026	Disegnato da/Designed by: A.Rinaldi	Descrizione/Description: KeyAdvanced/KeyTouch Installation Diagram		
Verificato da/Verified by: S.Fragomeni/M.Frassinetti	Approvato da/Approved by: M.Bragotto	Note/Notes: The drawing is not to scale		
Kiwitron SMART INDUSTRY SOLUTIONS — Via Vizzano 44, Sasso Marconi 40037 Bologna, Italy	Rev/Rev: 3	N°Fogli/Sheets Nr.: 1/1	Formato/Format: A4	Codice/Part Number: X0138_SCHINST001_03_EN