

FAN MOTOR CONNECTIONS

OPTION 1. Both MAIN & START Winding controlled

FAN MOTOR with External Motor CAPACITOR [MC] (Fig 1)

CONNECT START Winding lead to FAN-START Tab on TEK7EC

Motor CAP [MC] connected between CAP Tab & CAP (SWITCH'd) Tab on TEK7EC

FAN MOTOR with integrated Motor CAPACITOR (Fig 3)

CONNECT START Winding lead to CAP (SWITCH'd) Tab on TEK7EC

OPTION 2. MAIN Winding controlled & START Winding permanently ON

FAN MOTOR with External Motor CAPACITOR [MC] (Fig 2)

CONNECT START Winding lead to FAN-START Tab on TEK7EC

Motor CAP [MC] connected between CAP Tab & CAP (DIRECT) Tab on TEK7EC

FAN MOTOR with integrated Motor CAPACITOR (Fig 4)

CONNECT START Winding lead to CAP (DIRECT) Tab on TEK7EC

RECOMMENDATIONS:

FAN MOTOR CONNECTIONS

Follow Motor Manufactures recommendations

If no guidelines we recommend OPTION 1 above

SPEED CONTROL METHOD

Default speed control uses MainsVoltage Zero-crossing detection

Can be changed to use SwitchTriacVoltage Zero-crossing detection by inserting

JUMPER (provided) to Header SW1

FAN MOTOR OVERTEMP LOCKOUT

Default is Motor O/T Lockout disabled

Can be Enabled by selecting INSTALLER PARAMETER 6 in TEK7EC using
Digital Thermostat TEK7DAT

WARNING:
ID Labels/Wire Colours MAY DIFFER between MOTORS-
-VERIFY BEFORE CONNECTING

Only connect COMMON of MOTOR's MAIN & START winding to FAN-COM Tab
Only connect to MOTOR MAIN Winding to FAN-RUN Tab on TEK7EC

TEK7EC CONNECTION

TEKELEK AUSTRALIA.
SOUTH AUSTRALIA

**GENERIC
CONNECTION DIAGRAM**

Date: 30-JUL-2022

SHEET 1 OF 2

TEK7DAT
TEK616
TEK612
TEK622
DIGITAL THERMOSTAT
OPTIONS

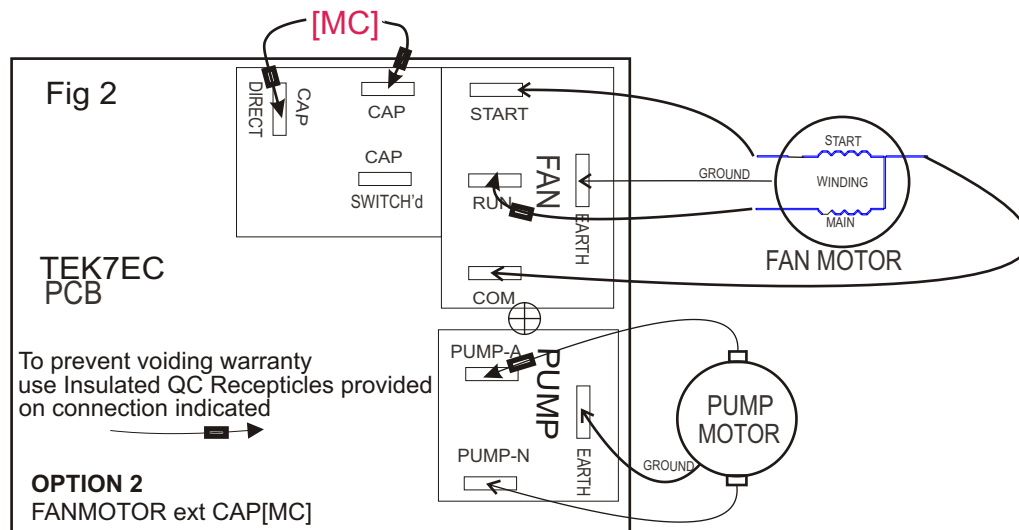
TEK602
ANALOGUE 4 PIN
THERMOSTAT OPTIONS

TEK7DT
TEK7DAT
TEK425
TEK485
ANALOGUE 5 PIN
THERMOSTAT OPTIONS

TEK400WL

TEK698WL

TEK698WL



**THIS DIAGRAM IS FOR INFORMATION PURPOSE ONLY.
ALL RESPONSIBILITY IS THAT OF THE INSTALLER.
ANY WORK SHOULD BE CARRIED OUT BY A QUALIFIED
INSTALLER ONLY.**

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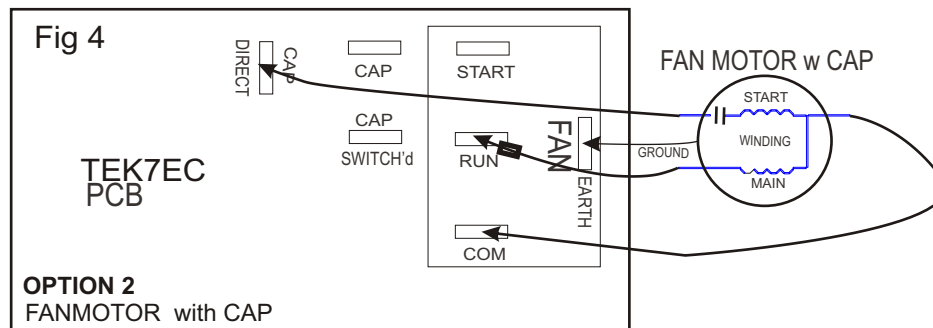
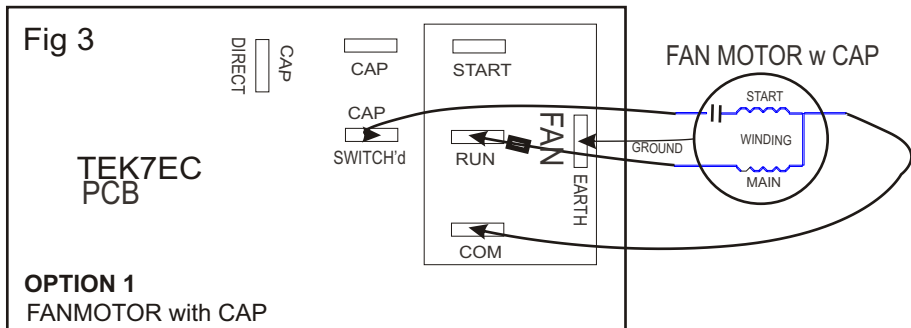
FAN MOTOR with External Motor CAPACITOR [MC] (Fig 2)

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SHEET 2 OF 2