

tN4 Controls with Viessmann Vitodens

The Viessmann Vitodens boiler can connect to tekmar tN4 controls that include the tekmar Stager feature.

As of August 2006 this includes the following controls:

- Boiler Reset Module 420
- Universal Reset Module 422
- Universal Reset Module 423

The tekmar 263, 265 or a 270 do not have the tekmar Stager feature and therefore cannot connect to a Vitodens.

For applications with a single Vitodens boiler, the following Viessmann products are required:

1 of Viessmann part # 7133641 – Vitocom 0-10Vdc Interface

1 of Viessmann part # 7134276 – Expansion Module 2-Wire Bus

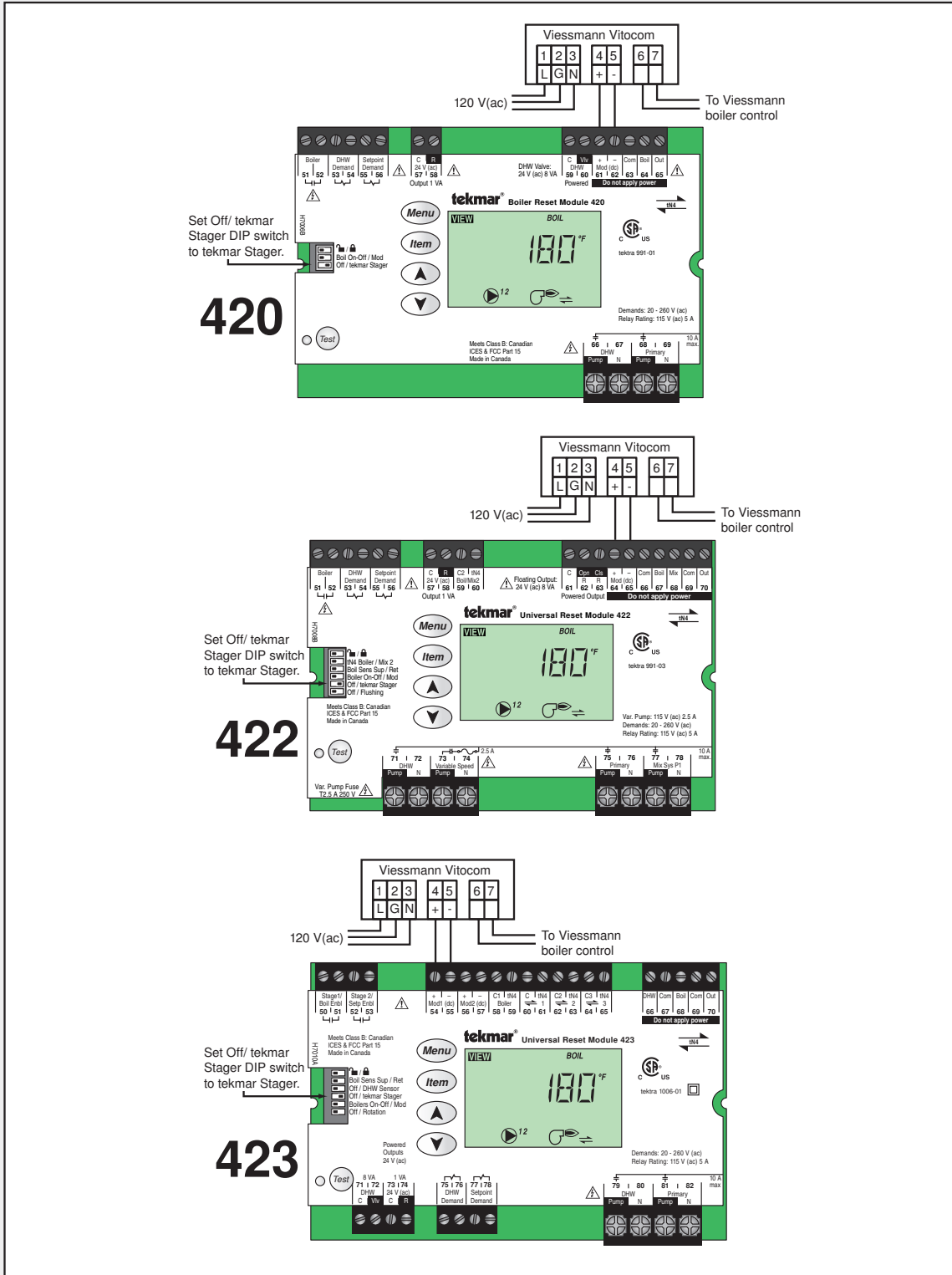
For applications with multiple Vitodens boilers, a Viessmann Cascade Control is required.

Installation steps:

- 1) Install the Vitocom as per Viessmann instructions.
- 2) Connect the 420, 422, or 423 modulation output (+) to Vitocom terminal 4.
- 3) Connect the 420, 422, or 423 modulation output (-) to Vitocom terminal 5.
- 4) Select “tekmar Stager” on the 420, 422, or 423 Off / tekmar Stager DIP switch.
- 5) The Vitodens operating temperature is limited to 167°F (75°C). Set this as the Boiler Maximum setting while in the Adjust menu.

Sincerely yours,

Jay Vath
tekmar Control Systems Ltd.



Note: This is only a concept drawing. The designer must determine whether this application will work in his system and must ensure compliance with code requirements. Necessary auxiliary equipment, isolation relays (for loads greater than the specified tekmar internal relay ratings), and other safety and limit devices must be added.