

Mr. John Murphy, LEED® AP
Applications Engineer
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John has been with Trane since 1993, where he has been involved in development, training, and support activities related to HVAC systems. His primary responsibility as an applications engineer is to aid system design engineers and Trane sales personnel in the proper design and application of HVAC systems. His main areas of expertise include energy efficiency, dehumidification, dedicated outdoor-air systems, air-to-air energy recovery, psychrometry, and VAV systems. John is the author of numerous Trane application manuals and *Engineers Newsletters*, and is a frequent presenter on Trane's *Engineers Newsletter Live* series of satellite broadcasts. He is also a LEED® Accredited Professional.

John is a member of ASHRAE and has authored several articles for the ASHRAE Journal. He is a past member of the society's "Moisture Management in Buildings" technical committee and former chair of the "Mechanical Dehumidifiers" technical committee. He was a contributing author of the *Advanced Energy Design Guide for K-12 Schools* and the *Advanced Energy Design Guide for Small Hospitals and Health Care Facilities*, and a technical reviewer for the *ASHRAE Guide for Buildings in Hot and Humid Climates*.

Prior to his work with Trane, John received his BSME from Iowa State University, specializing in HVAC analysis and design.